

# KV-M16D

## RM-658

# SERVICE MANUAL

*AEP Model*  
Chassis No. SCC-B66E-A



# BE-1 CHASSIS

**Note :** The service manual for RM-658 has been issued separately.

### MODELS OF THE SAME SERIES

KV-M16D	
KV-M19D/M19TD	
KV-M14D	

### SPECIFICATIONS

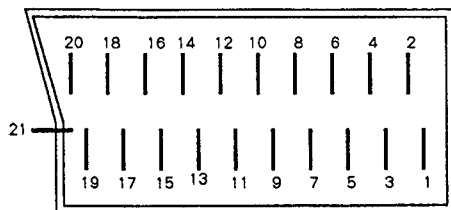
Television system	CCIR B, G and H
Color system	PAL SECAM
Channel coverage	VHF E2 — S20 UHF E21 — E69
Picture tube	Trinitron tube 90° degree deflection Approx. 40.1cm (16 inches) (Approx. 37.3cm picture measured diagonally)
Input	21 — pin connector : CENELEC standard AV connector
Output	Earphone jack : minijack 21 — pin connector : CENELEC standard
Power consumption	53Wh
Dimensions	Approx. 389×374×413mm (W/H/D)
Weight	Approx. 12.8kg
Supplied accessories	RM — 658 Remote Commander (1) IEC designation R6 batteries (2)
Sound output	3.5w (music power)

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV  
**SONY®**

## 21-pin Euro Connector Configuration



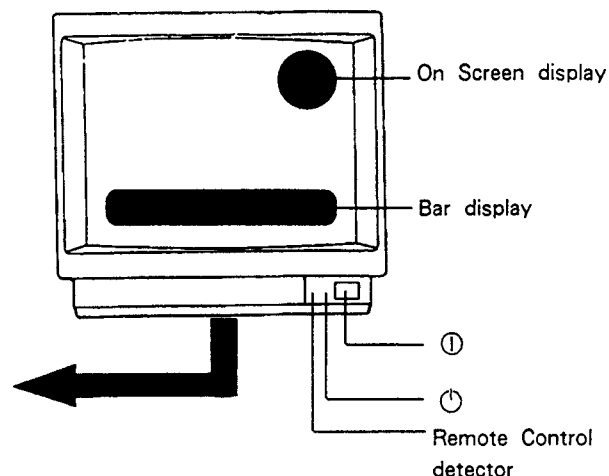
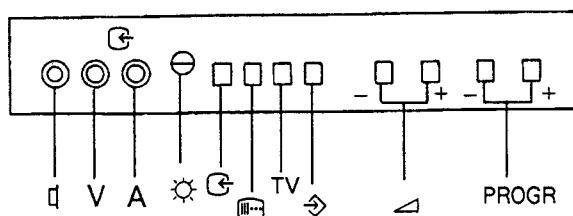
PIN	SIGNAL	SPECIFICATION
1	Audio output	0.5Vrms/1kilohm or less
2	Audio input	0.5Vrms/10kilohms or more
3	Audio output	0.5Vrms/1kilohm or less
4	Earth (audio)	
5	Earth (B-input)	
6	Audio input	0.5Vrms/10kilohms or more
7	B-input	0.7Vp-p/75ohms
8	Function switching	9.5V to 12V
9	Earth (G-input)	
10		
11	G-input	0.7Vp-p/75ohms
12		
13	Earth (R-input)	
14	Earth (blanking)	
15	R-input	0.7Vp-p/75ohms
16	Fast blanking	1V to 3V/75ohms
17	Earth (video)	
18	Earth (fast blanking)	
19	Video output	1Vp-p/75ohms
20	Video input	1Vp-p/75ohms
21	Screening plug	

## TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
<b>1. GENERAL</b>			<b>4. CIRCUIT ADJUSTMENTS</b>		
1-1.	Function of Controls .....	3	4-1.	B Board Adjustments .....	11
1-2.	On The Remote Commander .....	4	4-2.	D Board Adjustments .....	12
1-3.	To Preset Channels .....	4			
<b>2. DISASSEMBLY</b>			<b>5. DIAGRAM</b>		
2-1.	Rear Cover Removal .....	5	5-1.	Circuit Boards Location .....	13
2-2.	B Board Removal .....	5	5-2.	Schematic Diagram (1) .....	14
2-3.	Picture Tube Removal .....	6	5-3.	Printed Wiring Boards (1) .....	17
2-4.	Service Position .....	7	5-4.	Schematic Diagram (2) .....	20
<b>3. SET-UP ADJUSTMENTS</b>			5-5.	Printed Wiring Boards (2) .....	23
3-1.	Beam Landing .....	8	5-6.	Semiconductors .....	24
3-2.	Convergence .....	9	<b>6. EXPLODED VIEWS</b>		
3-3.	Focus .....	10	6-1.	Chassis .....	25
3-4.	White Balance .....	11	6-2.	Bezel .....	26
			<b>7. ELECTRICAL PARTS LIST</b>		27

## SECTION 1 GENERAL

### 1-1. FUNCTION OF CONTROLS



#### On the set

- On-screen display**  
Indicates program numbers and input mode; . Press the button to make the display appear on the screen, and again to make it disappear. See also "On the Remote Commander" below.

##### Bar display

Indicates the level of the user controls when they are adjusted; volume, contrast or color.

- power switch**  
To cut off the mains electricity supply, press this switch. Ensure correct operation by pressing the switch fully.
- Remote control detector**  
Point the Remote Commander towards this detector.
- standby indicator**  
Lights up brightly when the set is in standby mode.

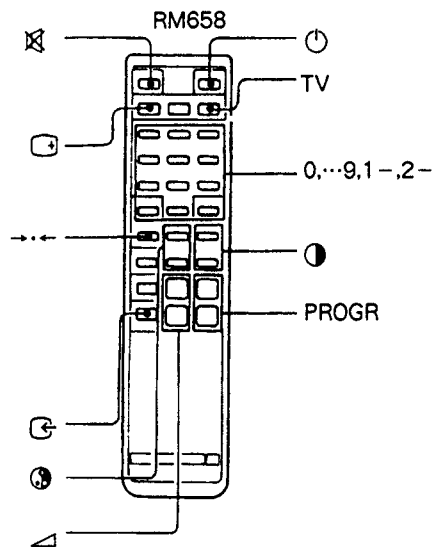
#### Inside the panel

- earphone jack (minijack mono)**
- preset button**
- analogue select buttons**  
Press repeatedly until the on-screen display of the required adjustment appears ( volume, contrast or color). Adjust by using the + or - buttons.
- input button**  
Press this button to view the input picture coming in through the 21-pin connector or the connectors on the front panel. "" appears on the screen. Press again or **PROGR** + / - to return to the TV mode.
- Extra equipment can be connected to the TV using both the 21-pin connector and the input connectors, but only one piece of equipment besides the TV should be turned on at one time.
- brightness control**  
Turn clockwise for more brightness or anticlockwise for less.
- Volume adjustment buttons + / -**  
Use these buttons to adjust the volume to the desired level.
- PROGR + / - buttons**  
Use to scan the available channels. To turn on the TV from standby mode without using the remote commander, press any of these buttons.
- Video/Audio input connectors (phono)**  
Connect to a VTR, micro-computer, etc.  
  - V (Yellow) video input
  - A (Black) audio input (mono)

#### Note

The TV button does not function on this set.

## 1-2. ON THE REMOTE COMMANDER



To operate the Commander, point it toward the remote control detector.

**mute button**  
Use to mute the sound. Press + or to restore the sound.

### 0, .....9, 1-, 2- buttons

To select:  
program 15, press 1- and 5,  
program 25, press 2- and 5.

**normal button**  
Press to return color and contrast to factory-set levels.

**standby button**  
Press to select standby mode. Use this facility to turn off the set for short periods of time.  
To return to TV mode, press TV or the program number on the Remote Commander; there will be a slight delay before the picture is restored. If the main power is turned off when in standby mode, the indicator will take 2 to 6 seconds to go off.

**On-screen display button**  
Indicate the program number and the input mode. Press this button to make the display appear on the screen, and press the button again to make it disappear.

**TV button**  
Press to change to the TV mode from standby, input modes.

**PROGR+/- buttons**  
Use to scan the available channels.

+ / - volume buttons

**color buttons**

**contrast buttons**

**input button**  
Press to view the input picture from the connector or connectors. " " appears on the screen. Press PROGR +/- or a program number key to return to the TV mode.

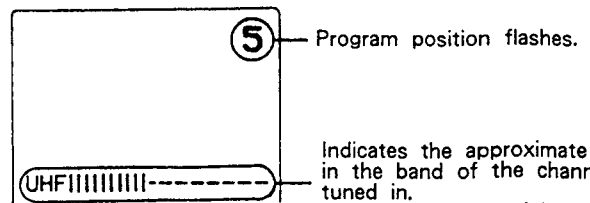
## 1-3. TO PRESET CHANNELS

Use the buttons inside the panel. To open the panel, push and pull the centre.

### Manual Programming

#### To Tune in a Channel in Any Desired Program Position

- 1 Press (preset) to select the presetting mode.
- 2 Select the desired program position by using the PROGR + or - button.
- 3 Press + or - repeatedly until the TV program of the desired channel appears.  
Repeat steps 2 and 3 for all desired channels.
- 4 Press again to return to the TV mode.

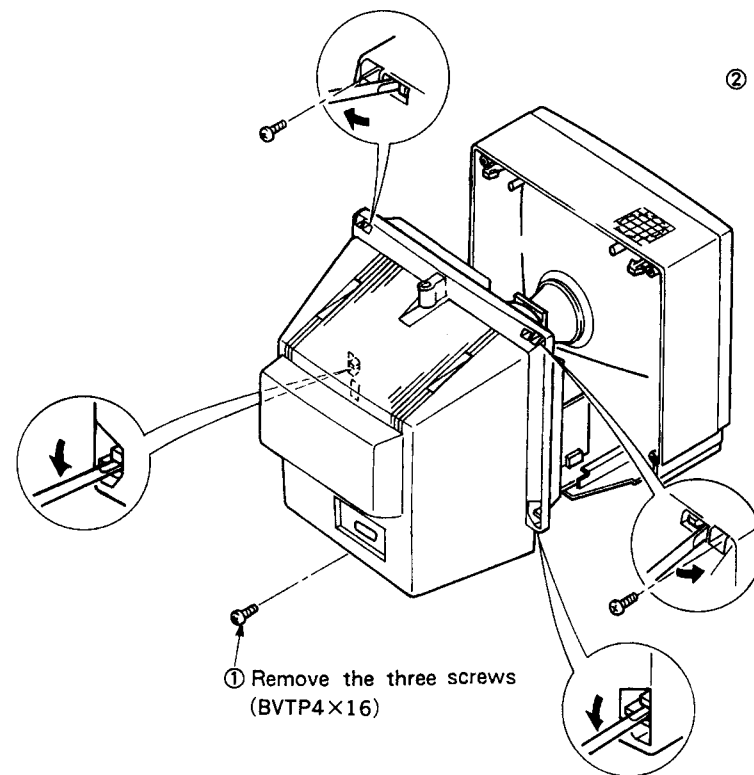


Indicates the approximate location in the band of the channel being tuned in.  
The number of upright segments increase for a higher-frequency channel and decrease for a lower-frequency channel.



SECTION 2  
DISASSEMBLY

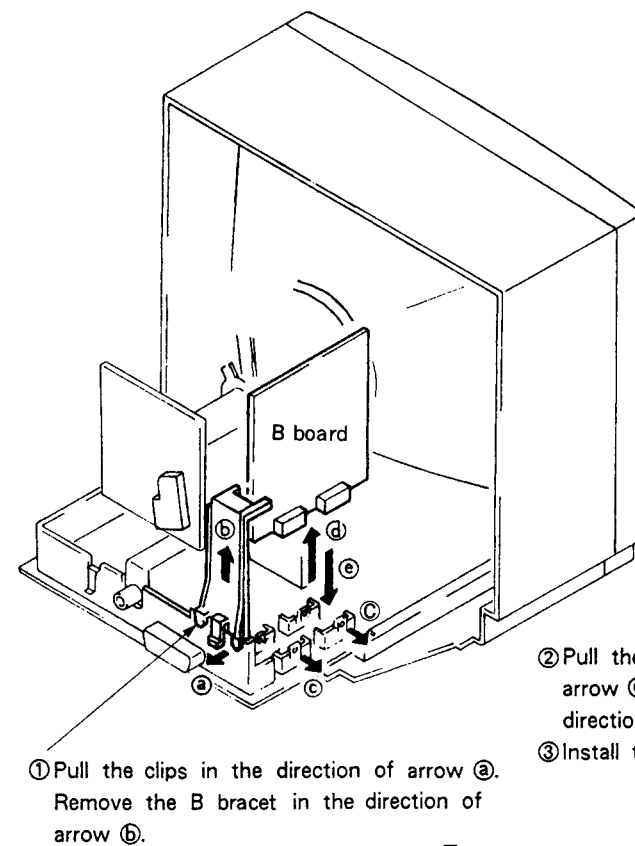
## 2-1. REAR COVER REMOVAL



② On the top of the rear cover, use a screwdriver to push the tab (circled in the figure) in the direction of the arrow to release the cover holder.

① Remove the three screws (BVTP4×16)

## 2-2. B BOARD REMOVAL

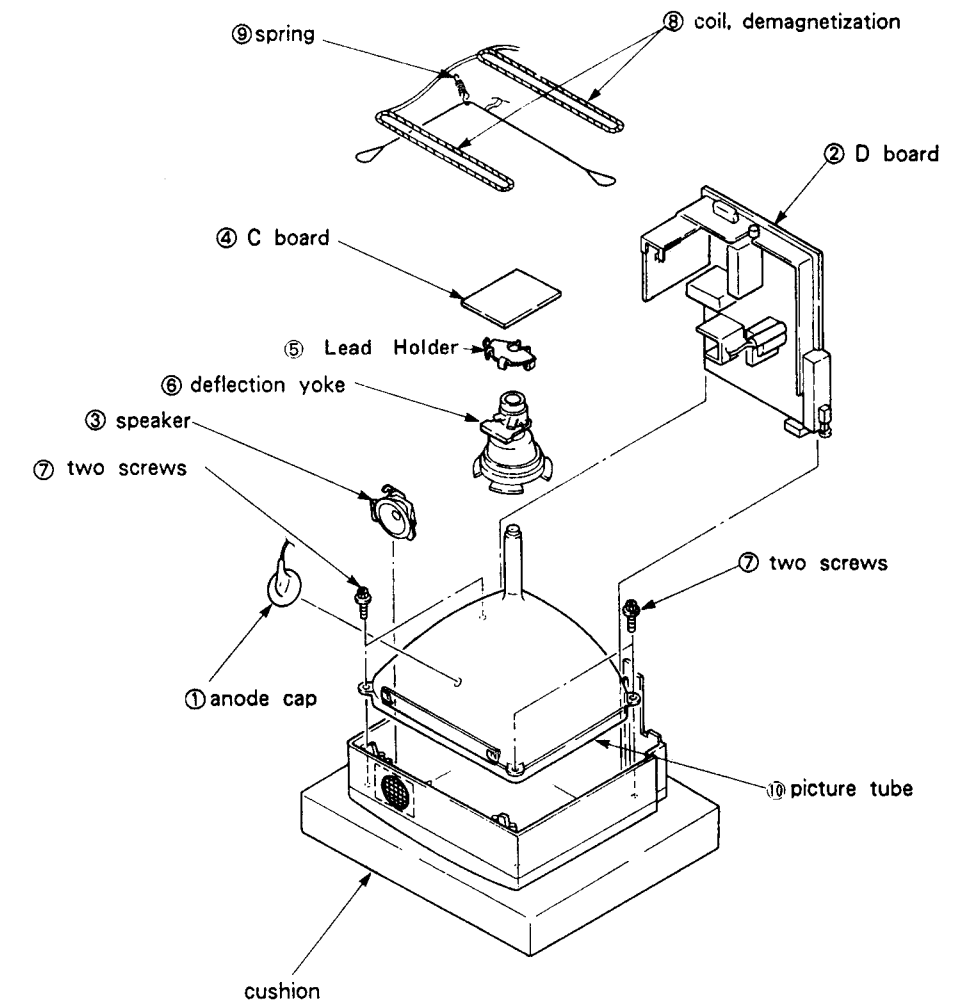


② Pull the two clips in the direction of arrow ㉓. Remove the B board in the direction of arrow ㉔.

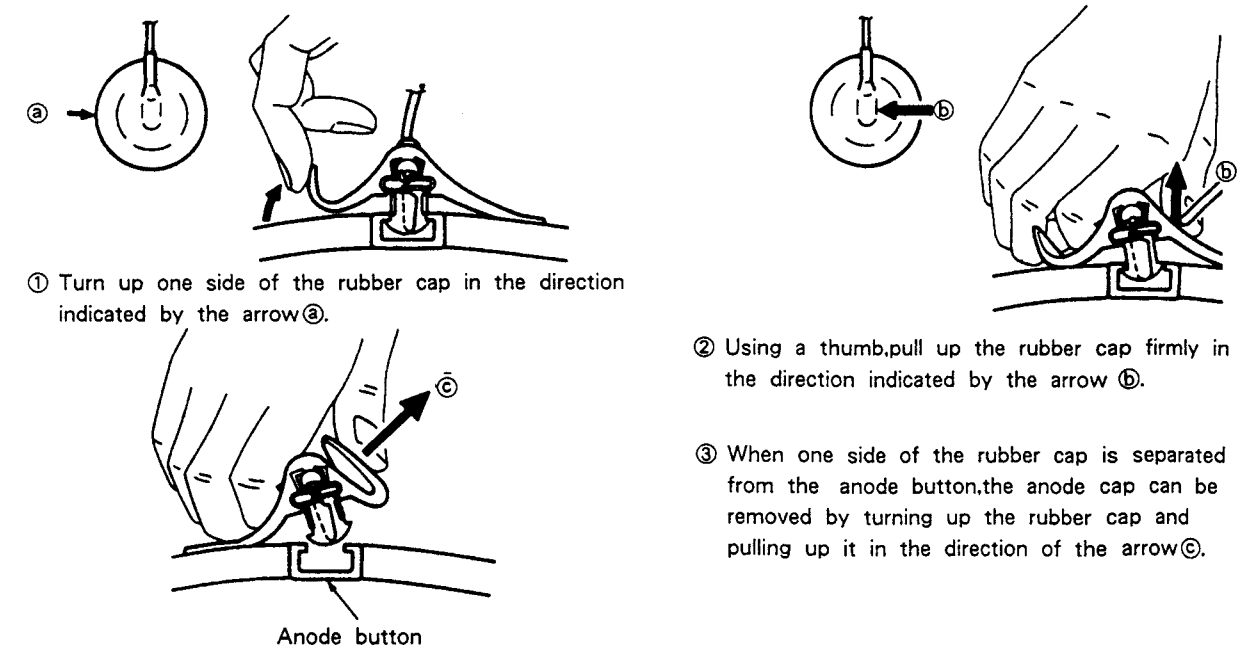
③ Install the B board in the direction of arrow ㉕.

① Pull the clips in the direction of arrow ㉑. Remove the B bracket in the direction of arrow ㉒.

## 2-3. PICTURE TUBE REMOVAL



## ● Removing Procedures



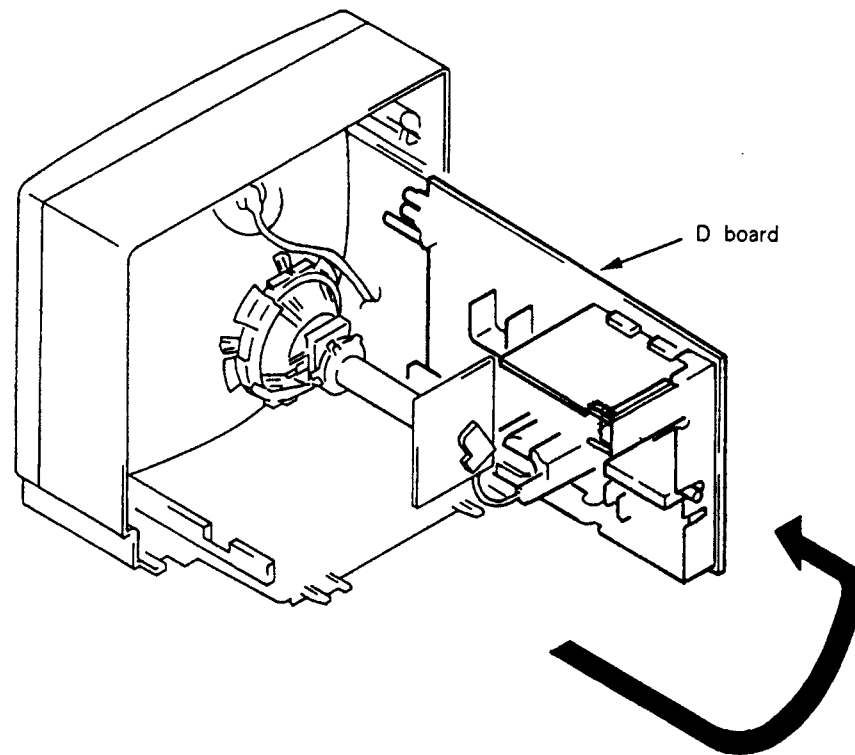
① Turn up one side of the rubber cap in the direction indicated by the arrow ㉑.

② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ㉒.

③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ㉓.

## SECTION 3 SET-UP ADJUSTMENTS

### 2-4. SERVICE POSITION



- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

- ① CONTRAST control ..... 80% (or Normal by Commander)
- ✱ BRIGHTNESS control ..... 50%

#### Preparation

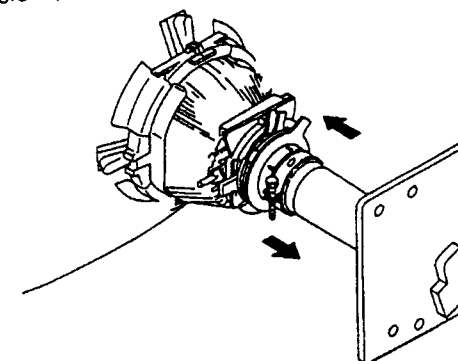
- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

#### 3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.  

CONTRAST	} normal
BRIGHTNESS	
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly.  
(Fig. 3 - 1 to 3 - 3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red.(Fig. 3 - 1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet.(Fig. 3 - 4)

Fig.3-1



Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

**Note :** Test Equipment Required.

1. Color Bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Fig.3-2

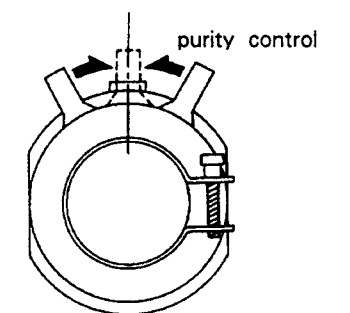


Fig.3-3

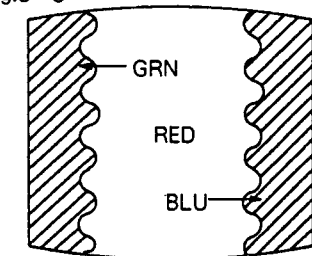
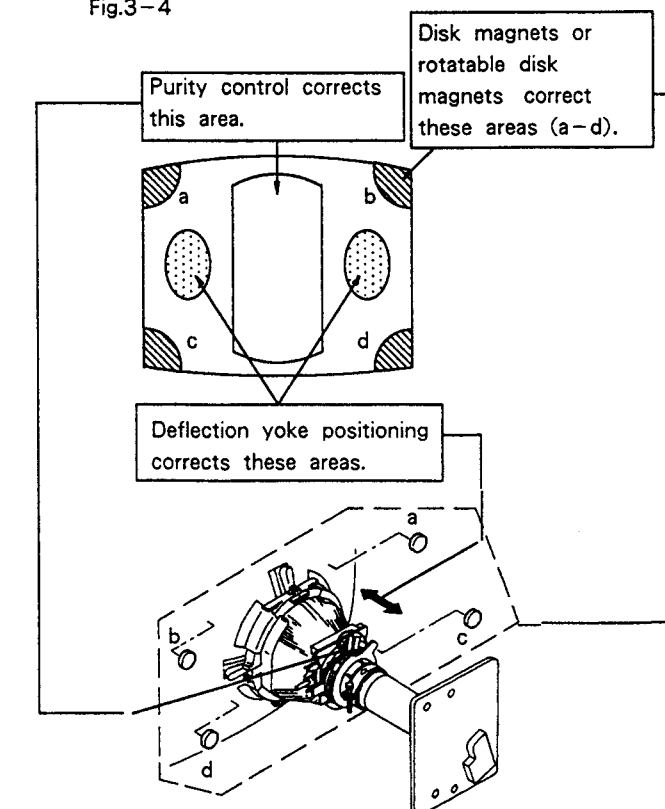


Fig.3-4

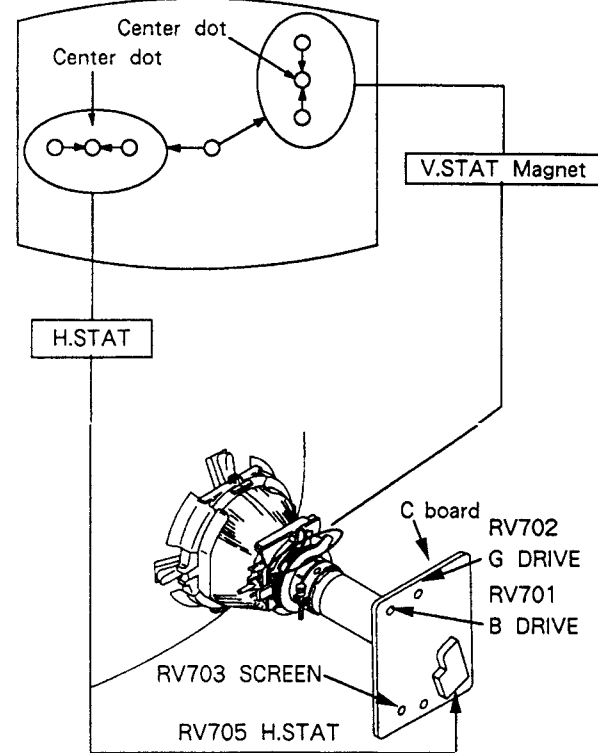


## 3-2. CONVERGENCE

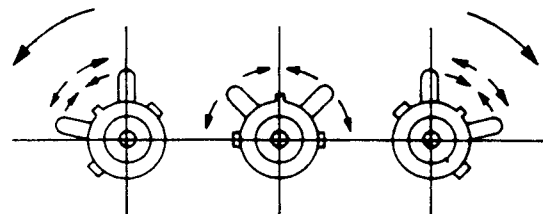
### Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

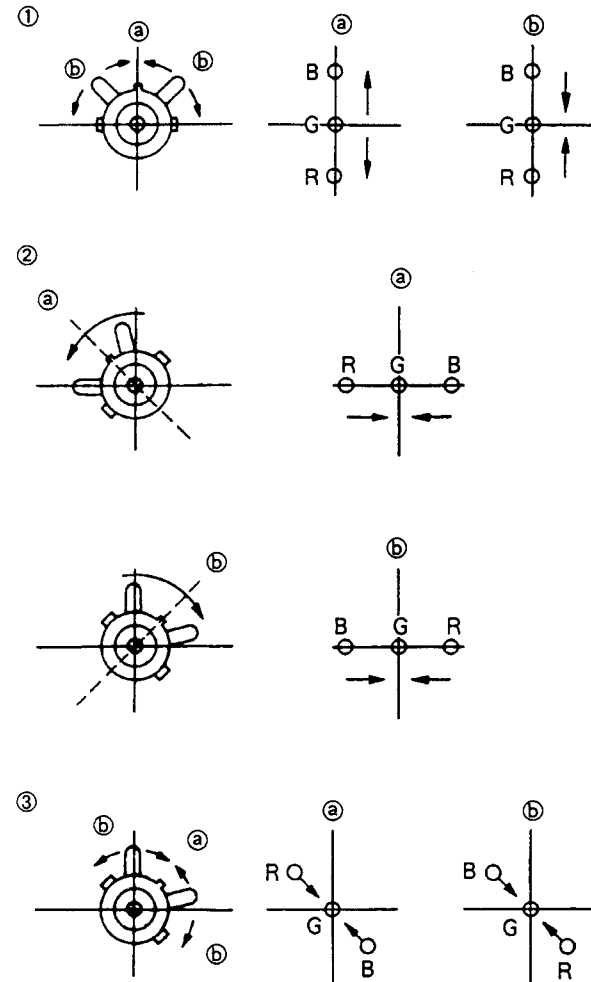
### (1) Horizontal and Vertical Static Convergence



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
  2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
  3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

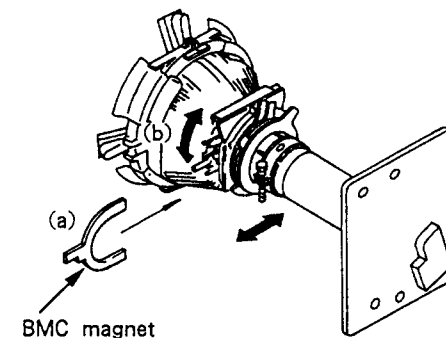


4. When the V. STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.



If the red and blue dots do not coincide with green dot, perform following steps.

- Move BMC magnet (a) to correct insufficient H. static convergence.
  - Rotate BMC magnet (b) to correct insufficient V. static convergence.
- In either case, repeat Beam Landing Adjustment.

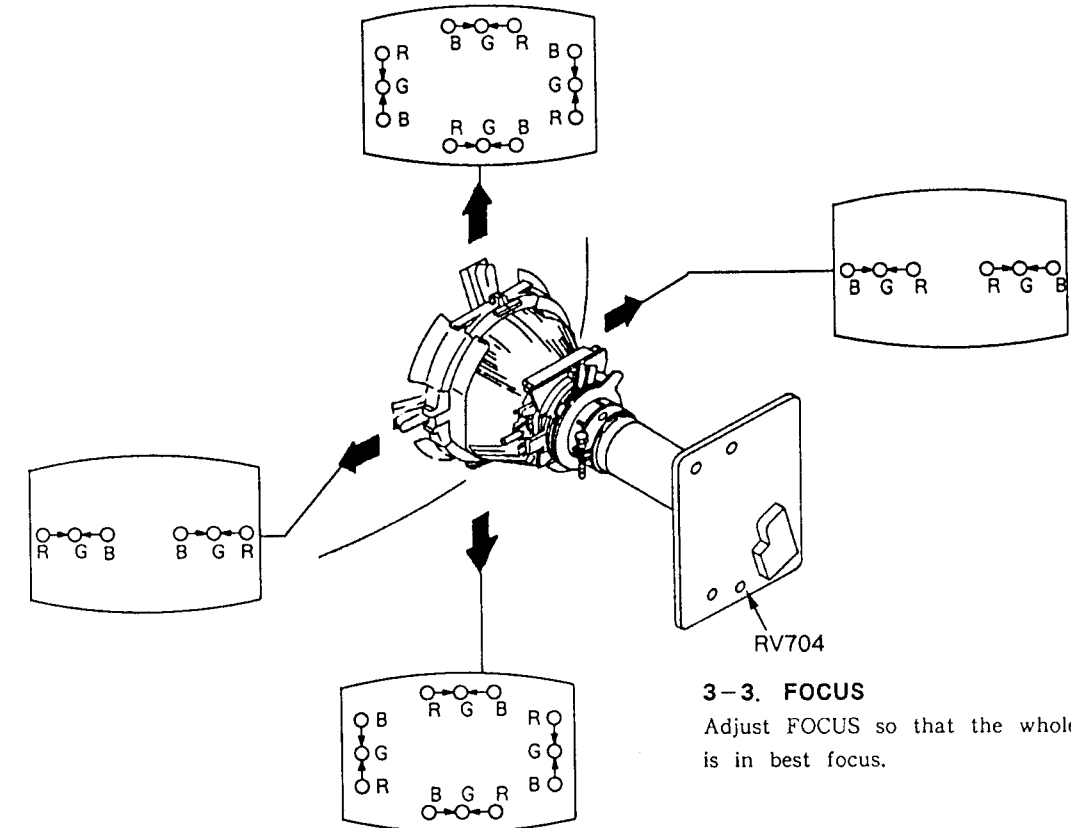


## (2) Dynamic Convergence Adjustment

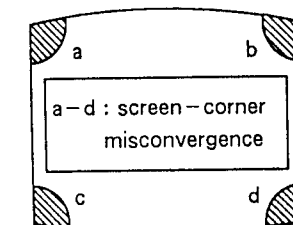
### Preparation :

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment..
1. Slightly loosen deflection yoke screw.
  2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

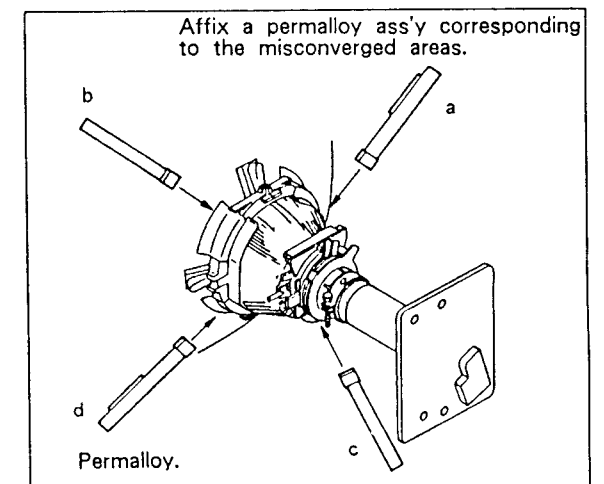


### (3) Screen-corner Convergence



### 3-3. FOCUS

Adjust FOCUS so that the whole screen is in best focus.



## 3-4. WHITE BALANCE

### {Screen (G2) Setting}

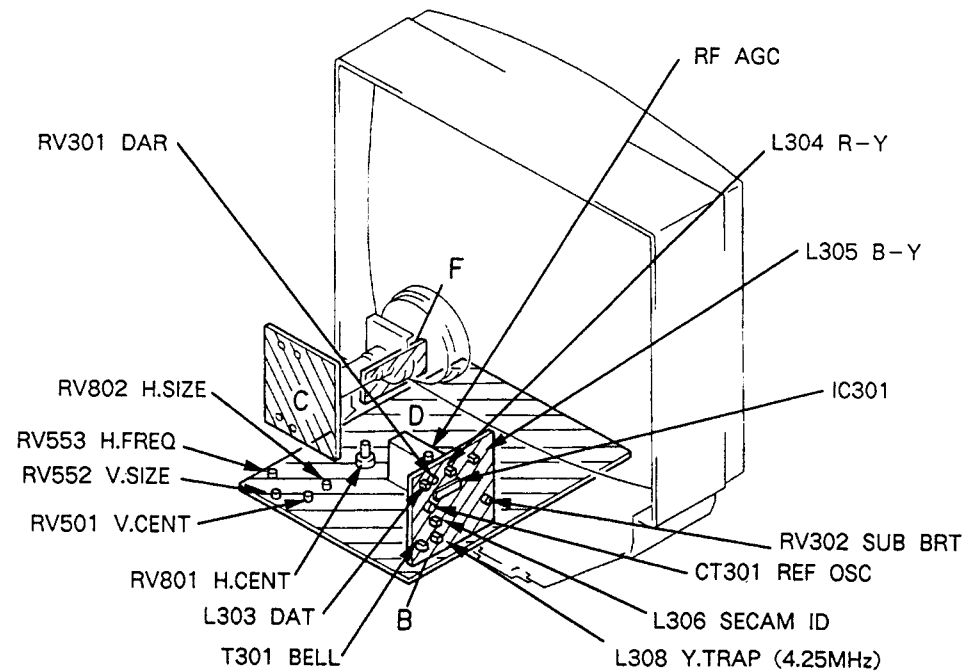
1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 140 V DC to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV703) immediately before the fly-back line disappears.

### {White Balance Adjustment}

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV701 (B DRIVE) and RV702 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

## SECTION 4 CIRCUIT ADJUSTMENTS



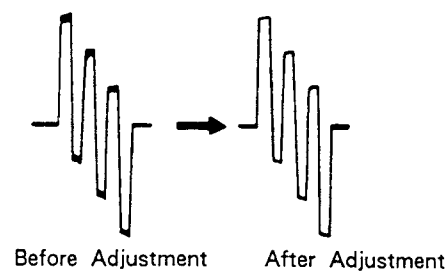
### 4-1. B BOARD ADJUSTMENTS

#### REF OSC Adjustment (CT301)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑦ of IC301 and ground.
3. Adjust CT301 to obtain color synchronization.
4. Remove the jumper wire from IC301.

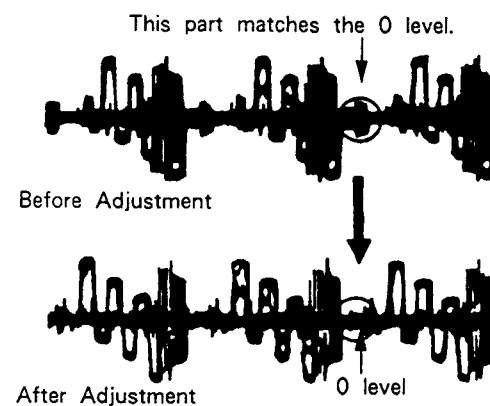
#### 1H DELAY LINE Adjustment (L303 DAT, RV301 DAR)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC301 and observe the waveform of the H block on the oscilloscope.
3. Adjust L303 to minimize the double waveform outline.



4. Input a PAL TEST COLOR BAR pattern.

5. Rotate the RV301 VR and adjust till the ANT PAL part of the waveform matches the 0 level.



6. L303 and RV301 affect each other, so repeat till the conditions of both are met.

#### Y TRAP 4.25 MHz ADJUSTMENT (L308)

1. Input a SECAM COLOR BAR pattern.
2. Connect pin ⑬ of IC302 to the oscilloscope and adjust L308 so that the waveform level becomes minimum.

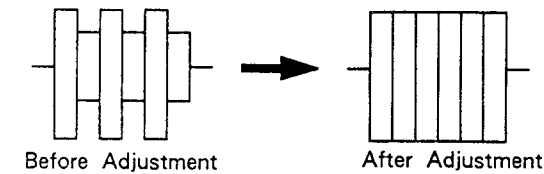


#### SECAM ID Adjustment (L306)

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter at pin ② of IC301.
3. Adjust L306 so that the indicator goes up to the maximum.

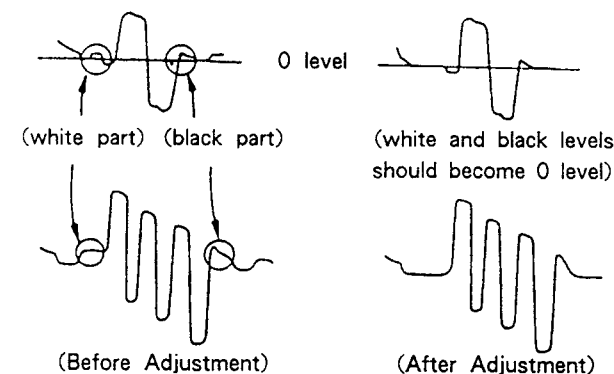
#### BELL FILTER Adjustment (T301)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q302 emitter.
3. Adjust T301 so that the waveform becomes flat.



#### SECAM DISCRI Adjustment (L304 R-Y L305 B-Y)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC301.
3. Adjust L304 (R-Y) so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC301.
5. Adjust L305 (B-Y) so that white and black parts of the waveform of pin ③ becomes 0 level.



#### SUB BRT Adjustment (RV302)

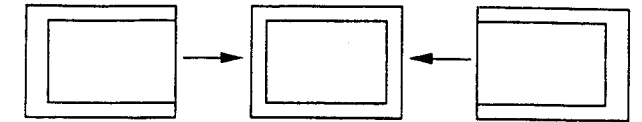
1. Input a PAL COLOR BAR signal.
2. Set CONTRAST and COLOR volume to a minimum, and set the BRIGHTNESS volume control to the mechanical center.
3. Slowly rotate SUB BRT (RV302) until the red portion is faintly illuminated.

### 4-2. D BOARD ADJUSTMENTS

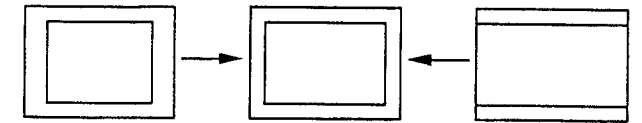
#### TU AGC (RF AGC)

1. Tune in air signals.
2. Adjust AGC VR (RF AGC) so that snow-noise and cross-modulation just disappear from the picture.

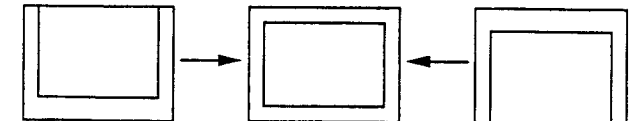
#### RV801 H.CENT (HORIZONTAL CENTER)



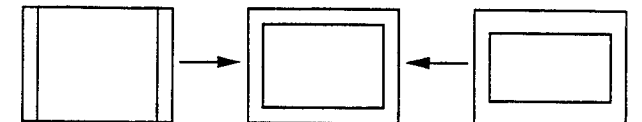
#### RV802 H.SIZE (HORIZONTAL SIZE)



#### RV501 V.CENT (VERTICAL CENTER)

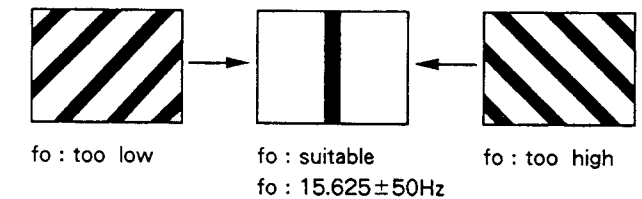


#### RV552 V.SIZE (VERTICAL SIZE)



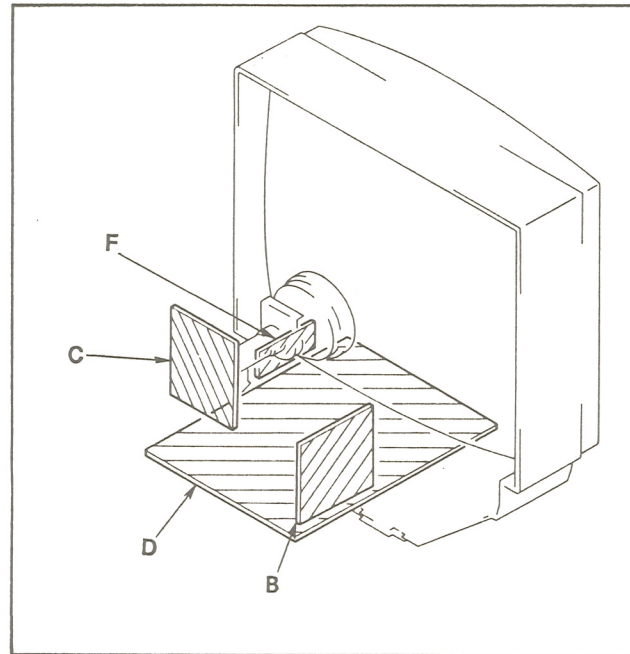
#### H. FREQ (RV553)

1. Input a PAL COLOR BAR signal, then connect an electrolytic capacitor (100  $\mu$ /16V) between Pin ⑤ and GND of IC551.
2. Adjust RV553 (H. FREQ) to stop scrolling of the picture in the horizontal direction.
3. After adjustment, remove the electrolytic capacitor.



## SECTION 5 DIAGRAM

### 5-1. CIRCUIT BOARDS LOCATION



#### Note :

- All capacitors are in  $\mu F$  unless otherwise noted.  $pF : \mu\mu F$   
50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.  
Pitch : 5mm  
Rating electrical power : 1/4W
- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- : adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M  $\Omega$  digital multimeter.
- Readings are taken with a PAL colour-bar signal input. ( ) SECAM
- Voltage variations may be noted due to normal production tolerances.
- : B+ line
- : signal path.

#### Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM

### 5-2. SCHEMATIC DIAGRAM (1)

A

B

C

D

E

F

G

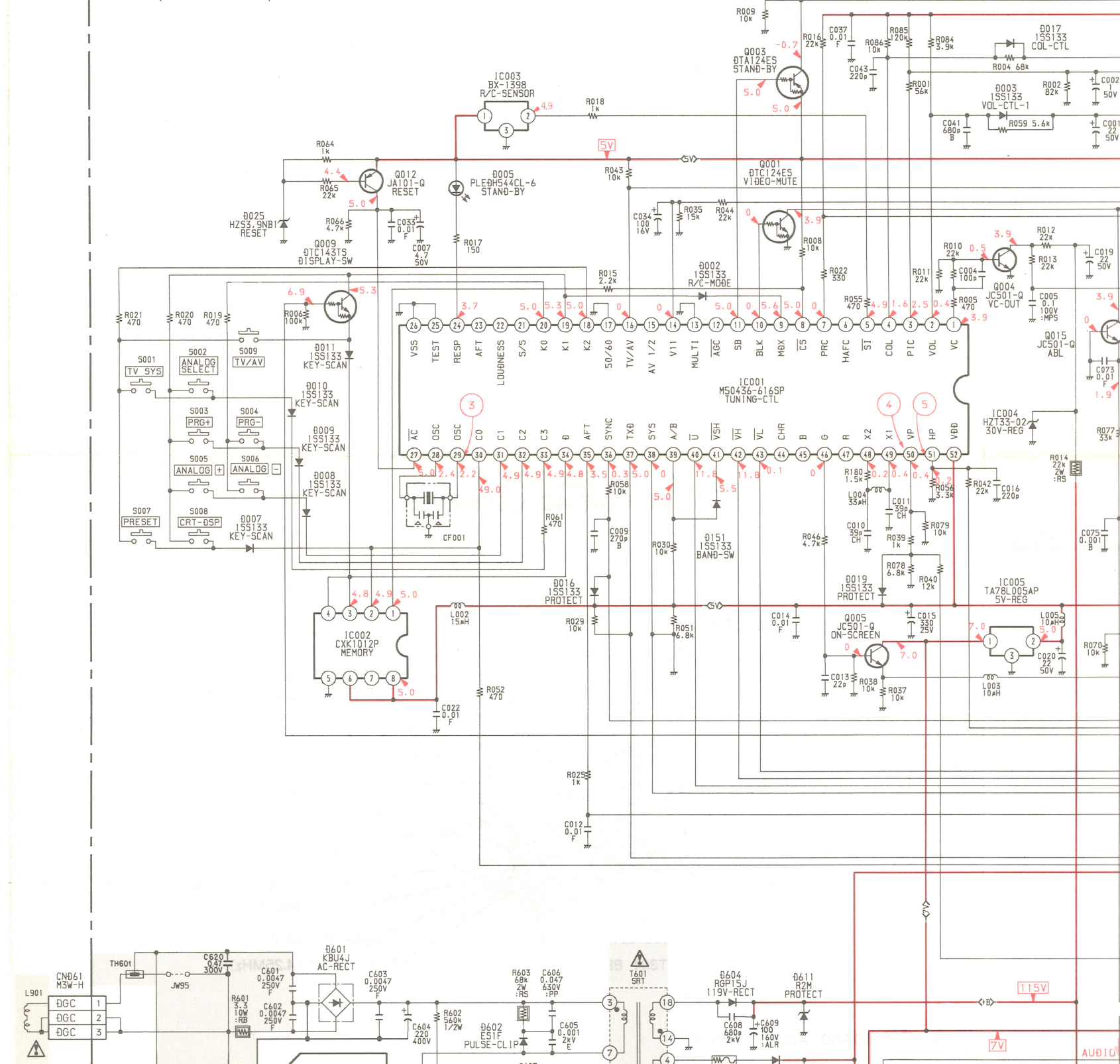
H

I

J

K

D ( Y-CHROMA  
JUNGLE V.H DEF )





10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

A

B

C

D

E

F

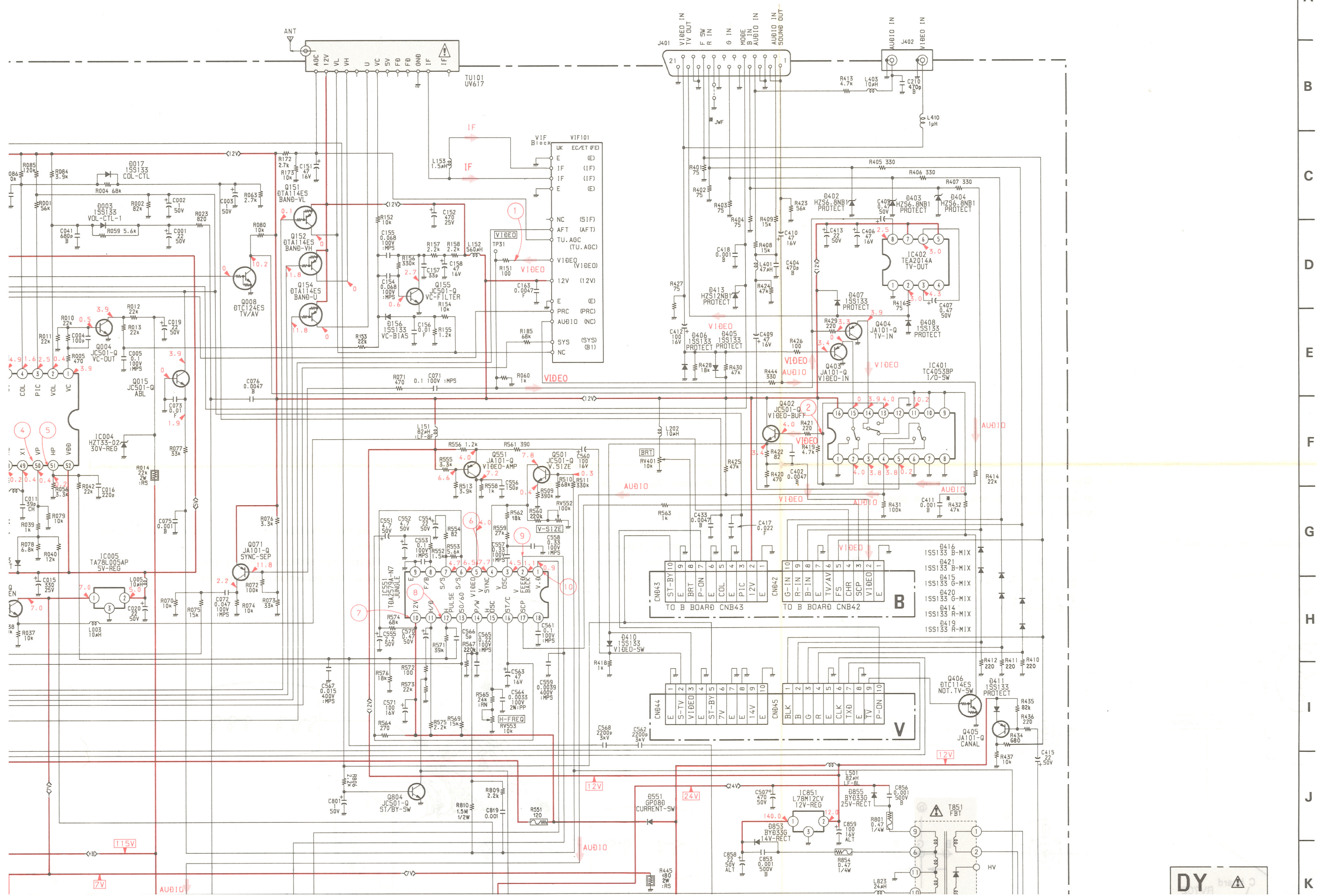
G

H

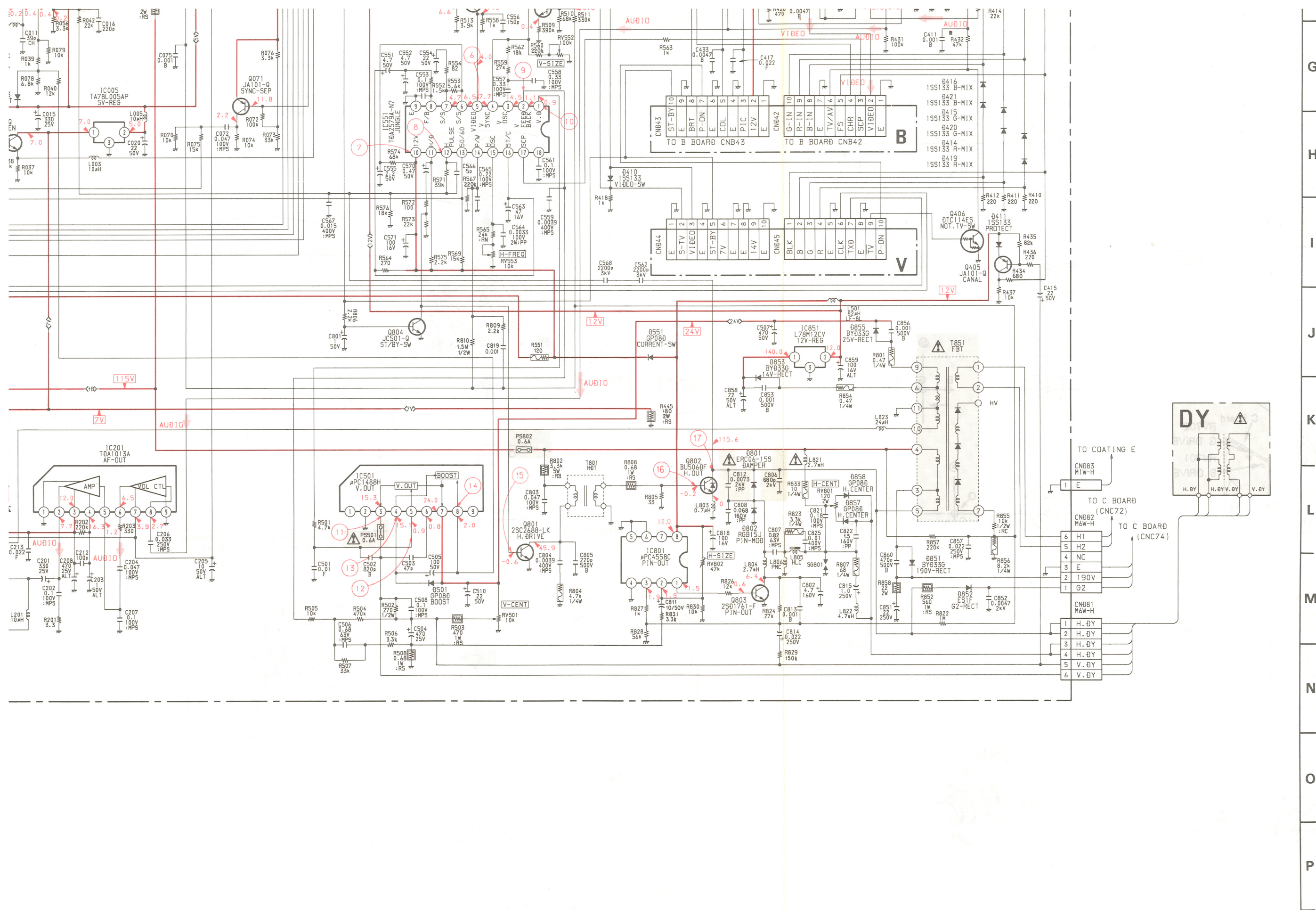
I

J

K
















Rating electrical power : 1/4W

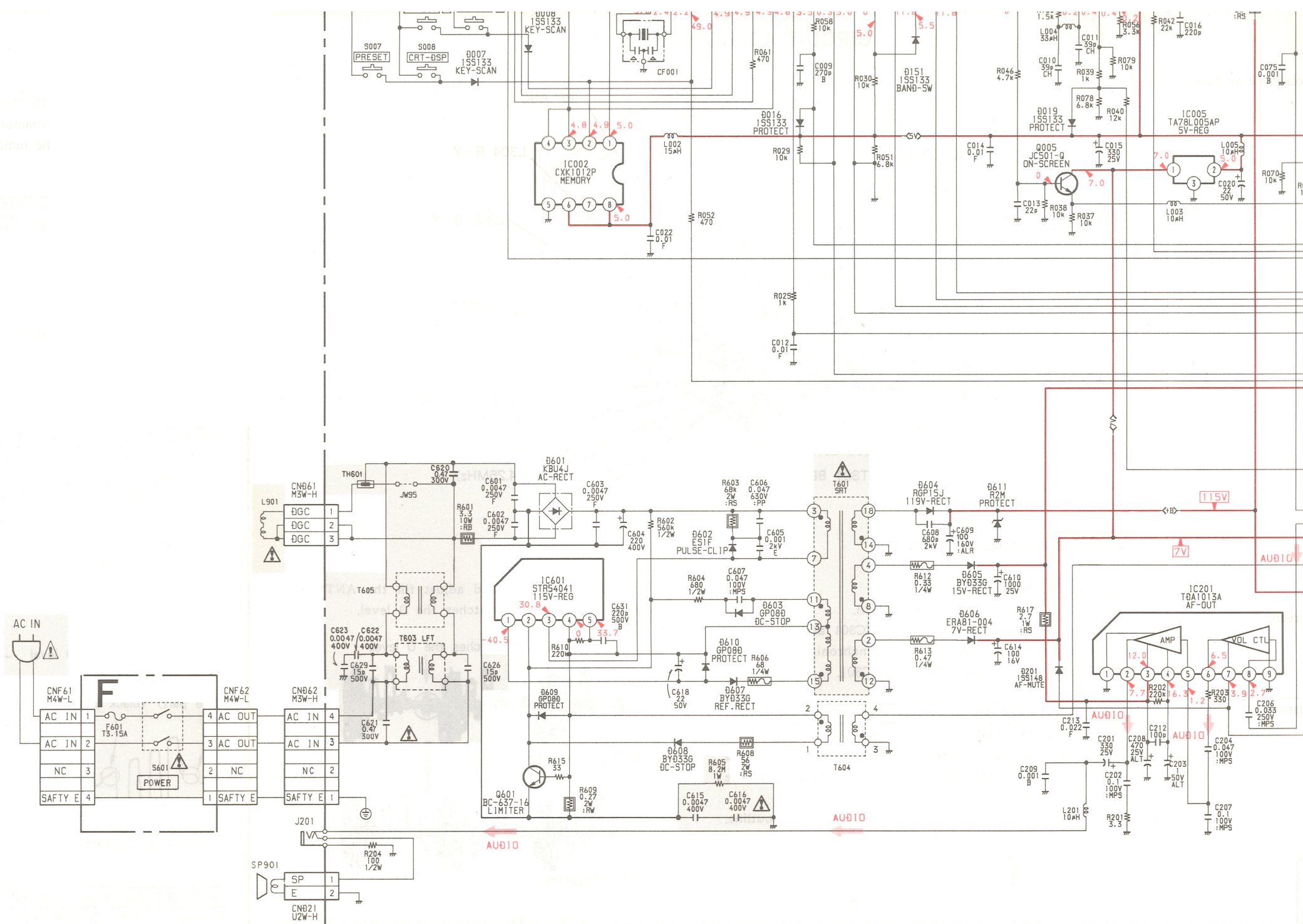
- All resistors are in ohms.
-  : nonflammable resistor.
-  : fusible resistor.
-  : internal component.
-  : panel designation.
-  : adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10MΩ digital multimeter.
- Readings are taken with a PAL colour-bar signal input. ( ) SECAM
- Voltage variations may be noted due to normal production tolerances.
-  : B+ line
-  : signal path.

#### Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
COIL	: RS	NONFLAMMABLE WIREWOUND
	: RB	NONFLAMMABLE CEMENT
	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
CAPACITOR	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ABL	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

G  
H  
I  
J  
K  
L  
M  
N  
O  
P





(Y-CHROMA  
JUNGLE V.H DEF)

D

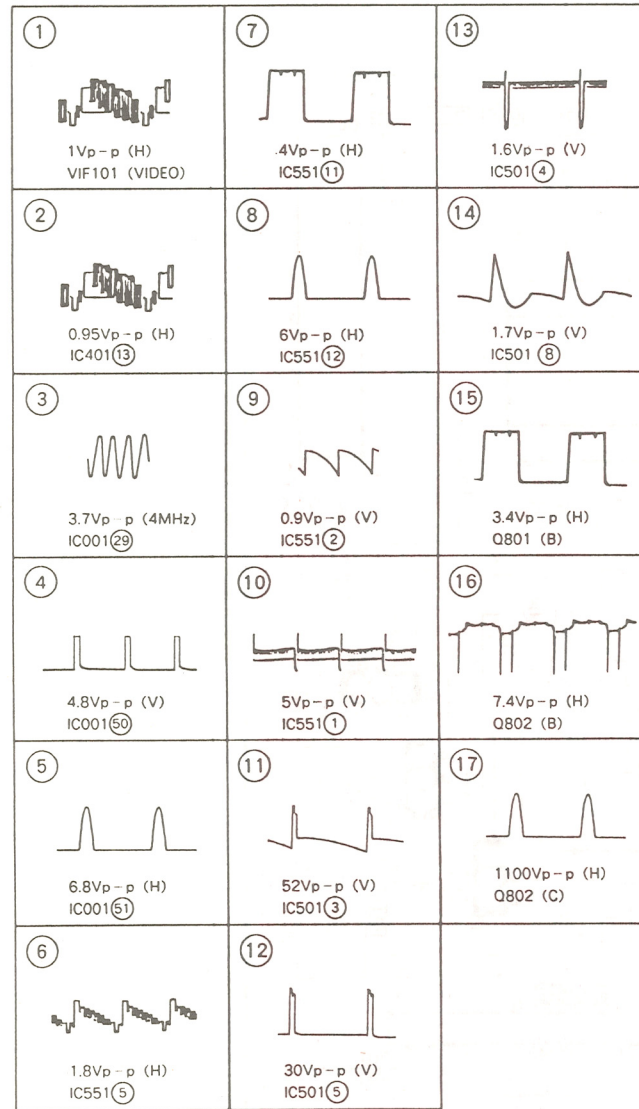
D



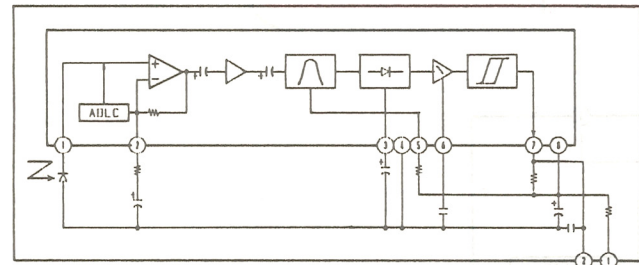
## NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

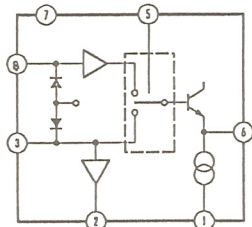
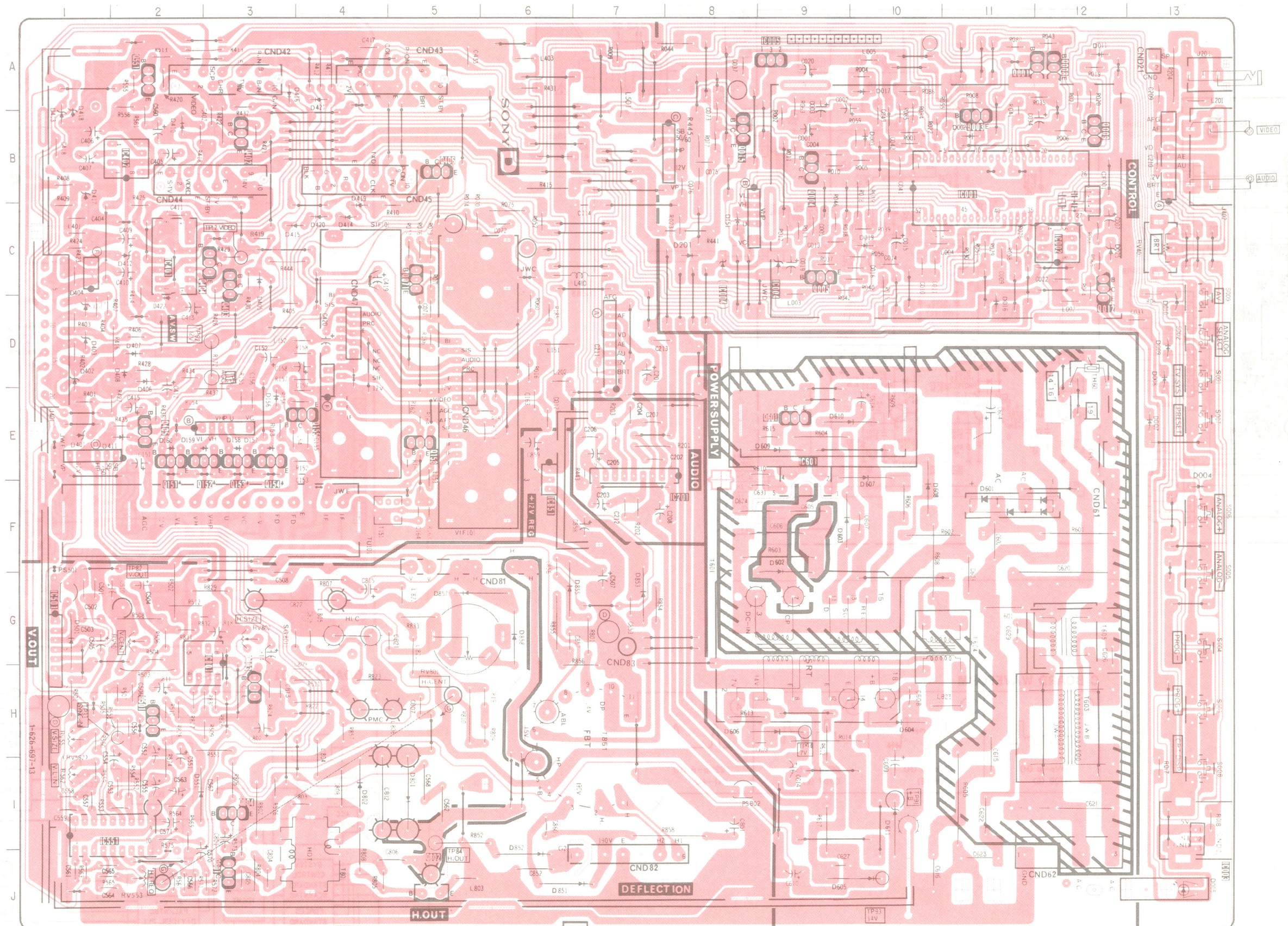
## D BOARD WAVEFORM



## D BOARD IC003 BX1389



## D BOARD IC402 TEA2014A

5-3. PRINTED WIRING BOARDS (1)  
D BOARD

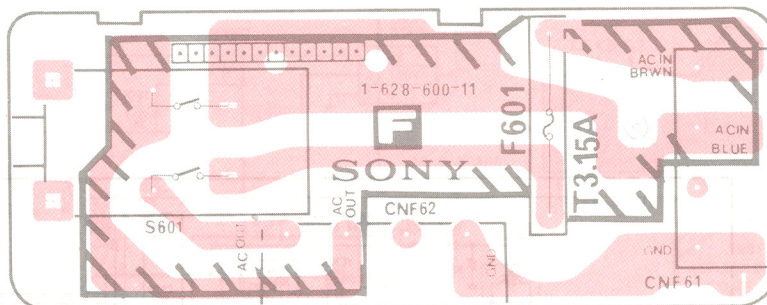


(POWER)

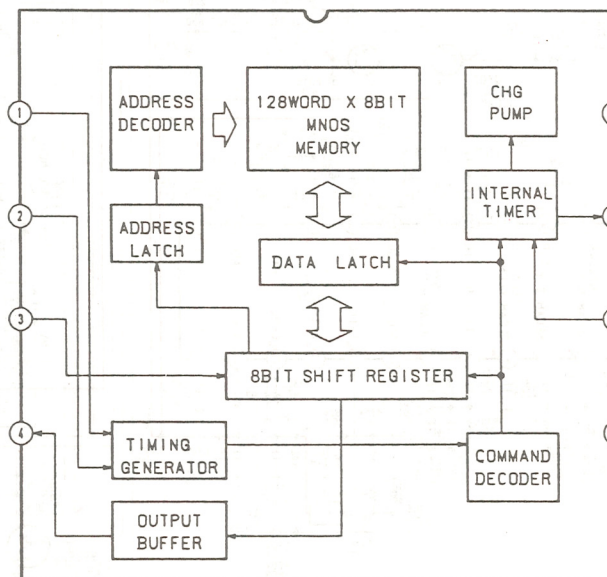
F

IC	D405	C-3
IC001 B-11	D406	D-2
IC002 C-12	D407	D-2
IC003 J-13	D408	D-2
IC004 C-9	D410	B-2
IC005 A-9	D411	E-2
IC201 E-7	D413	B-1
IC401 C-2	D414	C-4
IC402 B-2	D415	C-3
IC501 G-1	D416	A-3
IC551 I-1	D419	C-4
IC601 E-9	D420	C-4
IC801 G-2	D421	A-4
IC851 E-6	D501	G-1
	D551	I-2
	D601	F-11
TRANSISTOR		
Q001 A-11	D602	F-9
Q003 B-11	D603	F-9
Q004 B-9	D604	H-10
Q005 C-9	D605	J-9
Q008 A-12	D606	H-9
	D607	E-10
Q009 B-12	D608	F-10
Q012 C-12	D609	E-9
Q015 B-8	D610	E-9
Q071 C-5	D611	I-10
Q151 E-2	D801	I-5
Q152 E-2	D802	I-4
Q154 E-3	D851	J-6
Q155 E-4	D852	J-6
Q158 E-5	D853	G-7
Q402 B-3	D855	G-6
Q403 C-3		
Q404 C-3	D857	G-5
Q405 E-2	D858	G-6
Q406 B-5		
Q501 H-2		
Q551 A-2		
VARIABLE RESISTOR		
Q601 E-9	RV401	C-13
Q801 J-3	RV501	G-2
Q802 J-5	RV552	H-1
Q803 H-3	RV553	J-2
Q804 I-3	RV801	H-5
	RV802	G-3
DIODE		
D002 B-11		
D003 B-10		
D004 F-13		
D005 J-13		
D007 E-13		
D008 D-13		
D009 D-13		
D010 D-13		
D011 A-12		
D016 D-11		
D017 A-10		
D019 C-10		
D025 C-12		
D151 C-8		
D156 E-3		
D201 C-8		
D402 D-1		
D403 D-1		
D404 D-1		

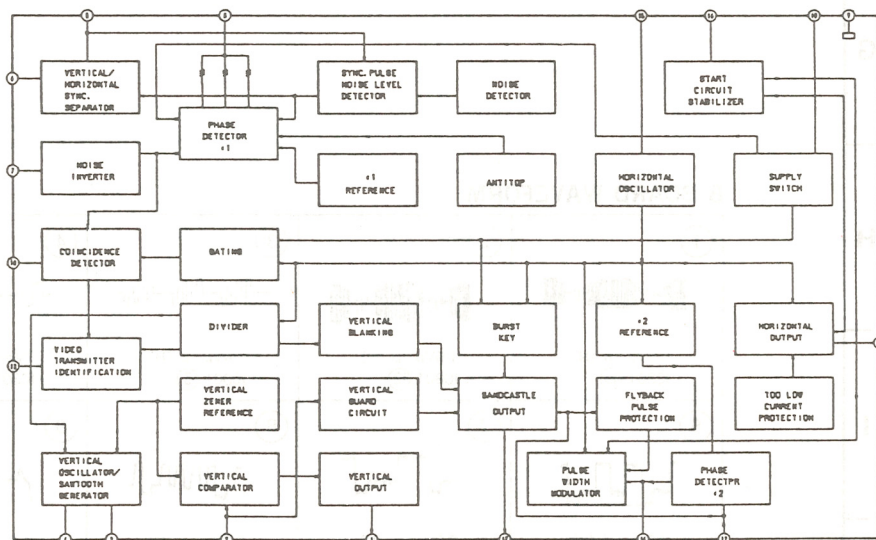
## F BOARD



## D BOARD IC002 CXK1012P

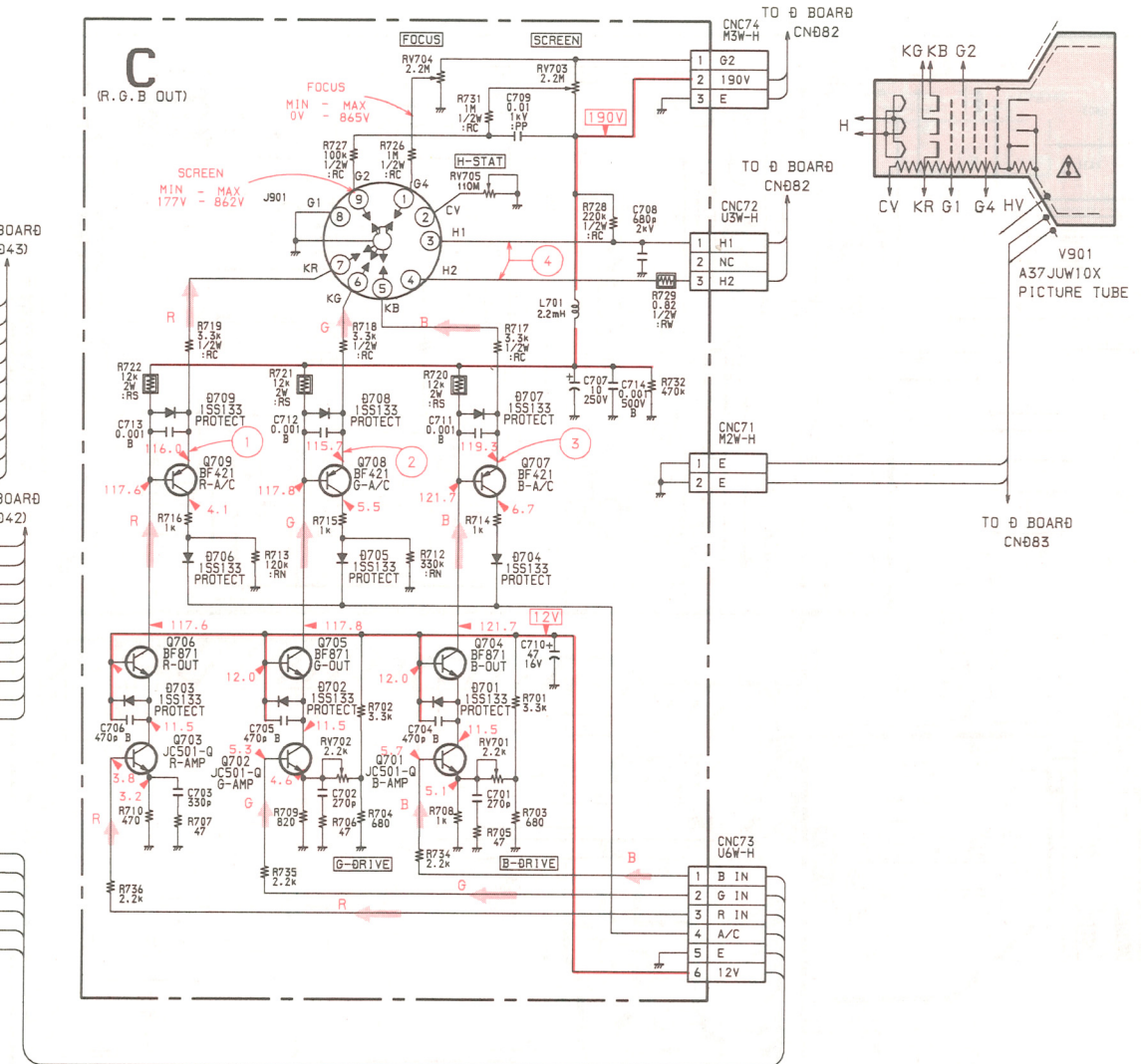


## D BOARD IC551 TDA2579A-N7

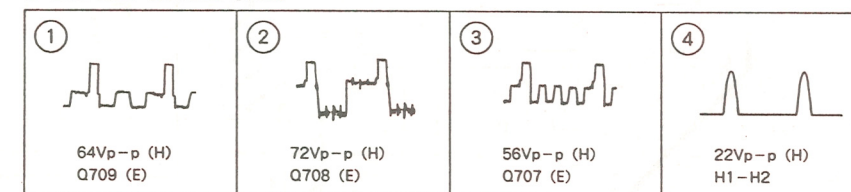




1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----



### C BOARD WAVEFORM

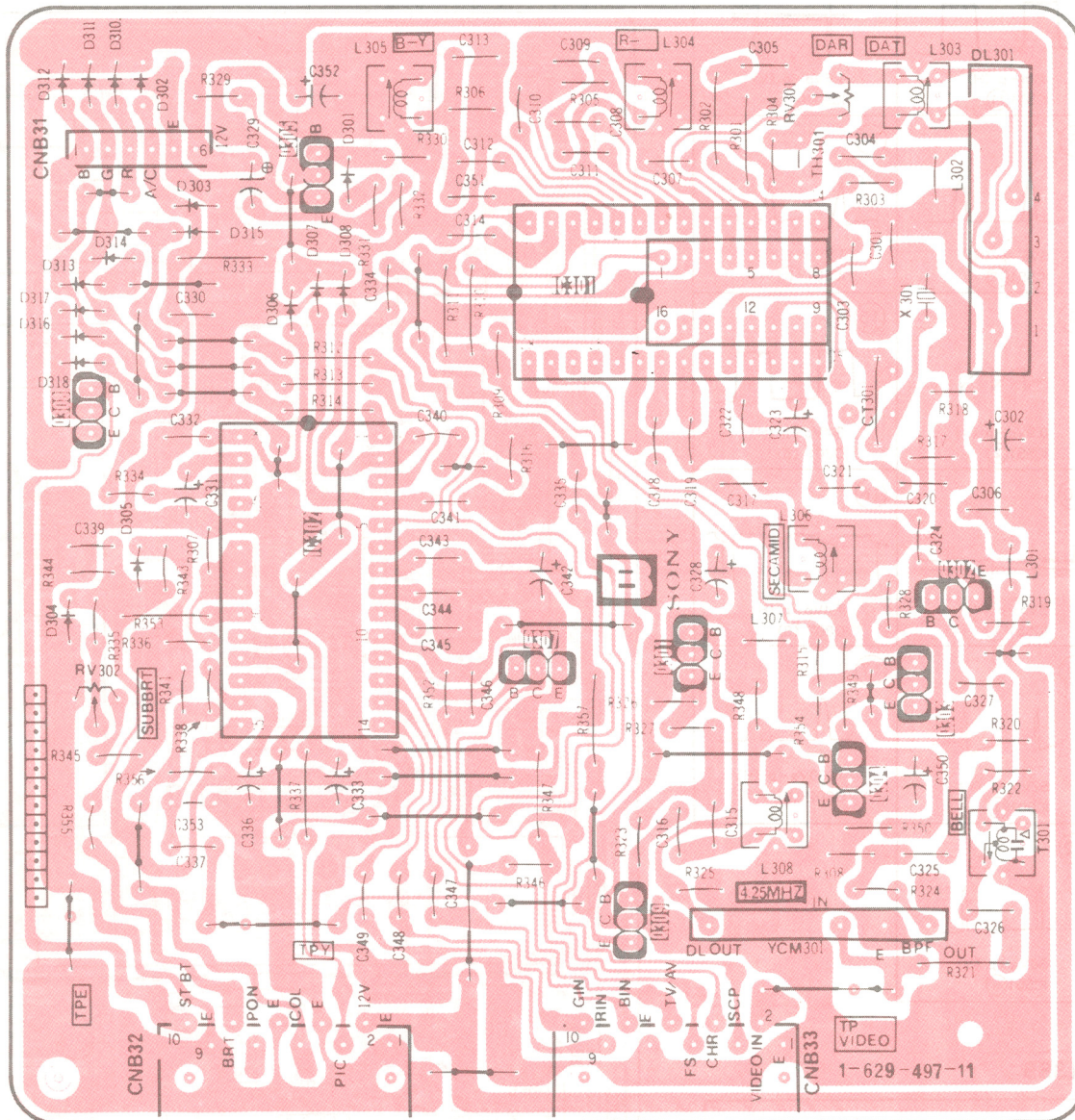
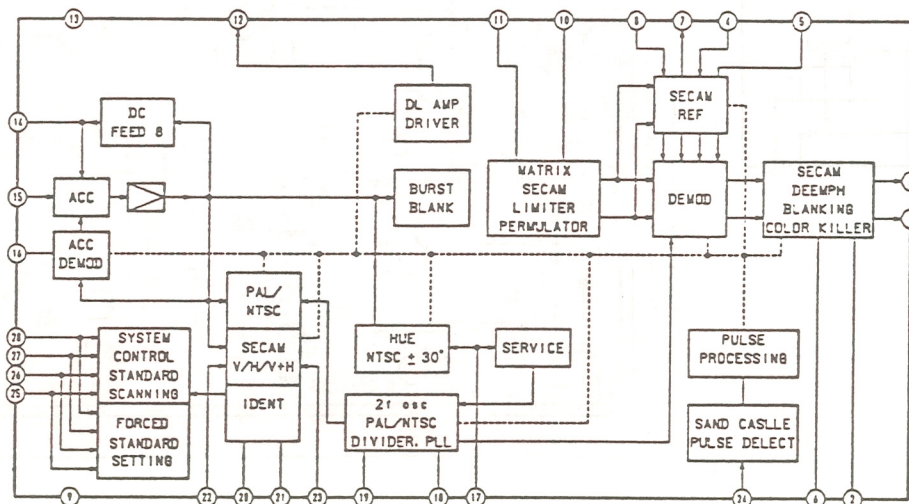




**B**

(CHOROMA DECODER)

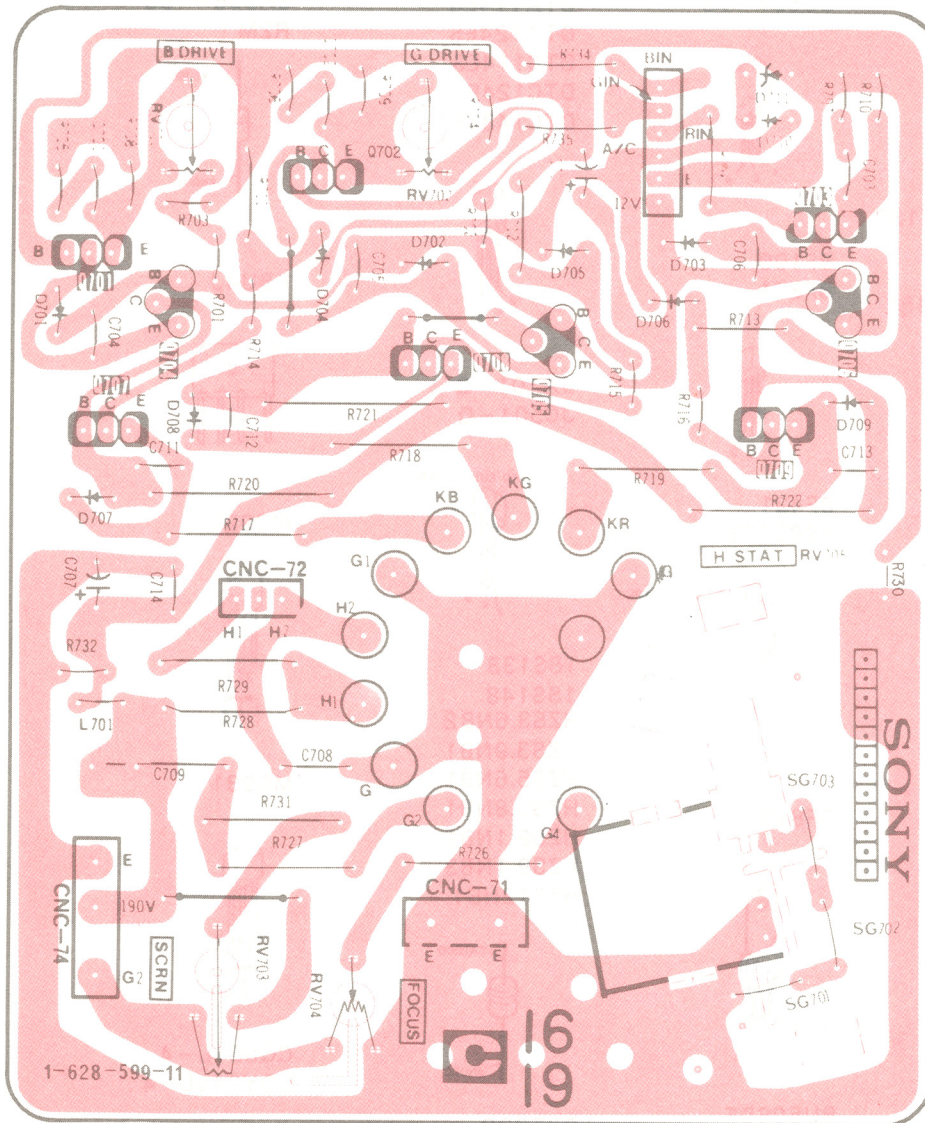
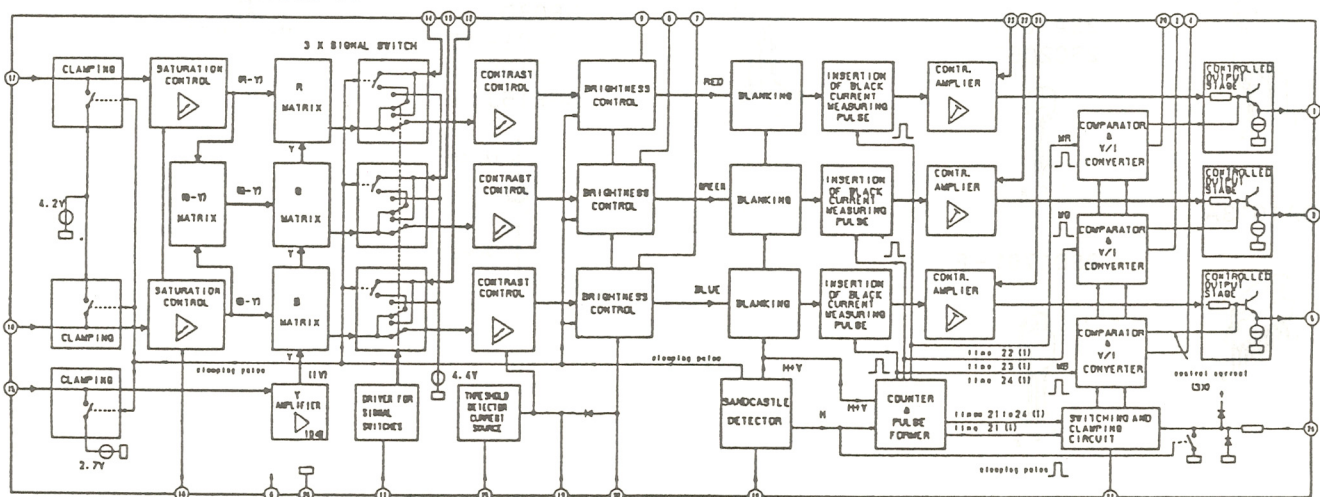
## 5-5. PRINTED WIRING BOARDS (2)

**B BOARD****B BOARD IC301 TDA4555-V8**



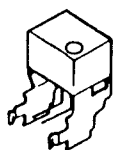
**C**

(R. G. B OUT)

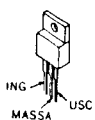
**C BOARD****B BOARD IC302 TDA3505-V9**

## 5-6. SEMICONDUCTORS

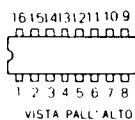
BX-1398



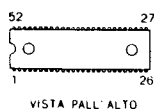
L78M05CX  
L78M12CV



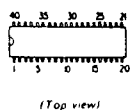
MC14053BCP  
TC4053BP



M50436-616SP  
M50436-618SP



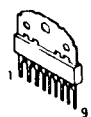
SAA5243E



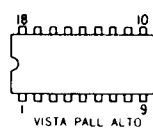
STR54041



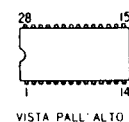
TDA1013A



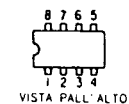
TDA2579-N7



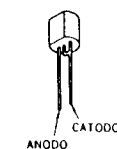
MAB8461P-W136  
TDA3505-V9  
TDA4555-V8  
 $\mu$ PD4364CX-15L



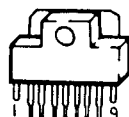
CXK1012P  
TEA2014A  
 $\mu$ PC4558C



HZT33-02  
 $\mu$ PC574J



$\mu$ PC1488H



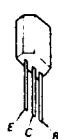
2SA1091  
2SC2060



2SD1761-F



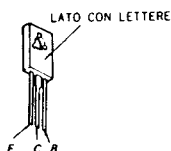
BC637-16



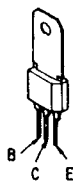
BF199  
BF871



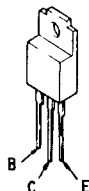
BF421  
2SC2688



BF819



BU506DF



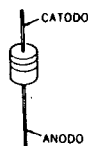
DTA114ES  
DTA124ES  
DTC114ES  
DTC124ES  
DTC143TS



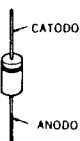
JA101-Q  
JC501-Q



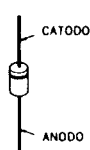
1SS133  
1SS148  
HZS3.6NB2  
HZS3.9NB1  
HZS5.6NB1  
HZS6.8NB1  
HZS9.1NB1  
HZS9.1NB3  
HZS12NB1



BYT33G  
BYT51D  
BYT52G  
ERA81-004  
GP08D  
RGP01-17  
RGP10G  
RGP15J



ERC06-15S  
R2M



KBU4J



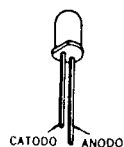
MC921



MC931



CQS51L-4  
CQY24BL-4






## SECTION 6 EXPLODED VIEWS

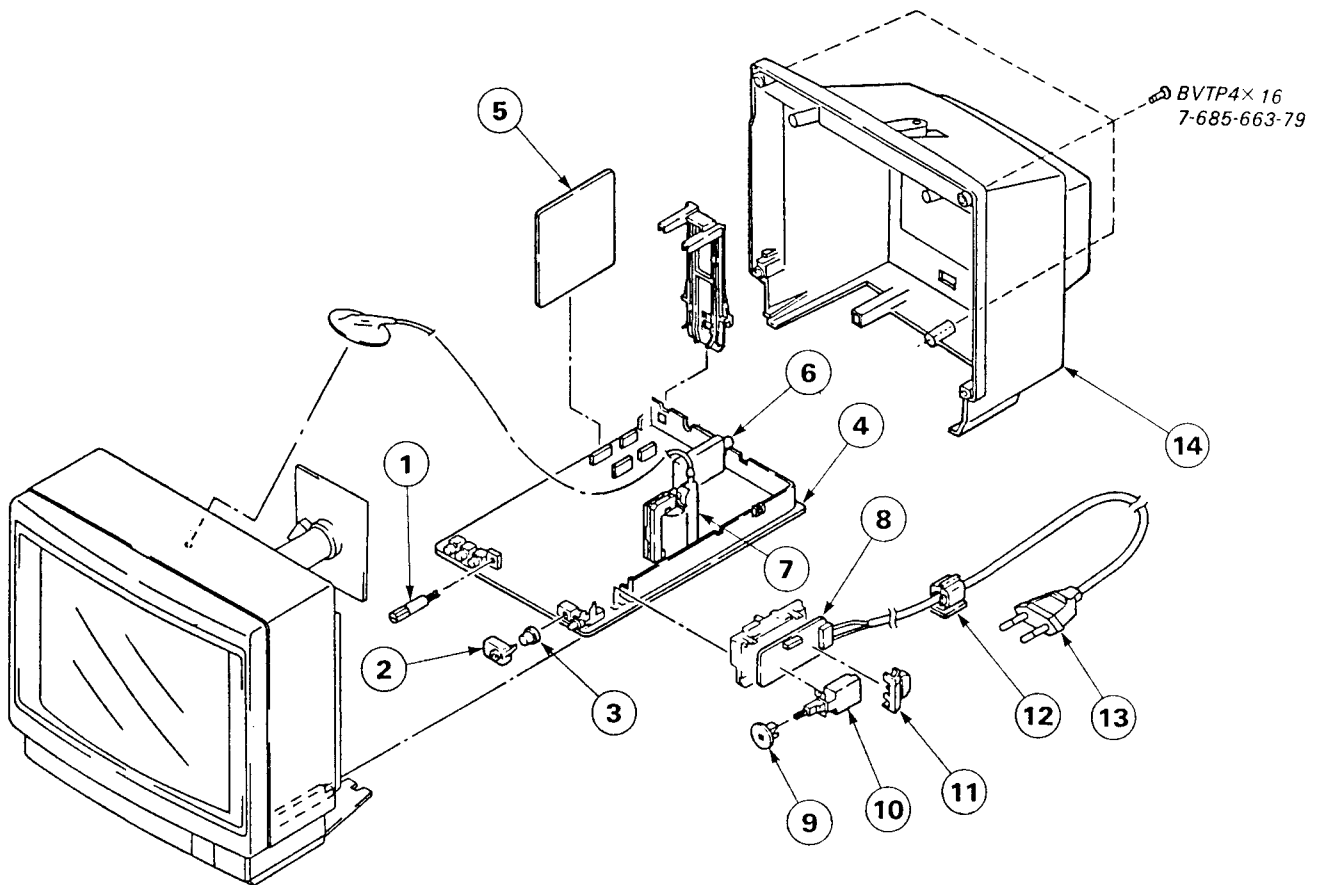
### NOTE:






- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

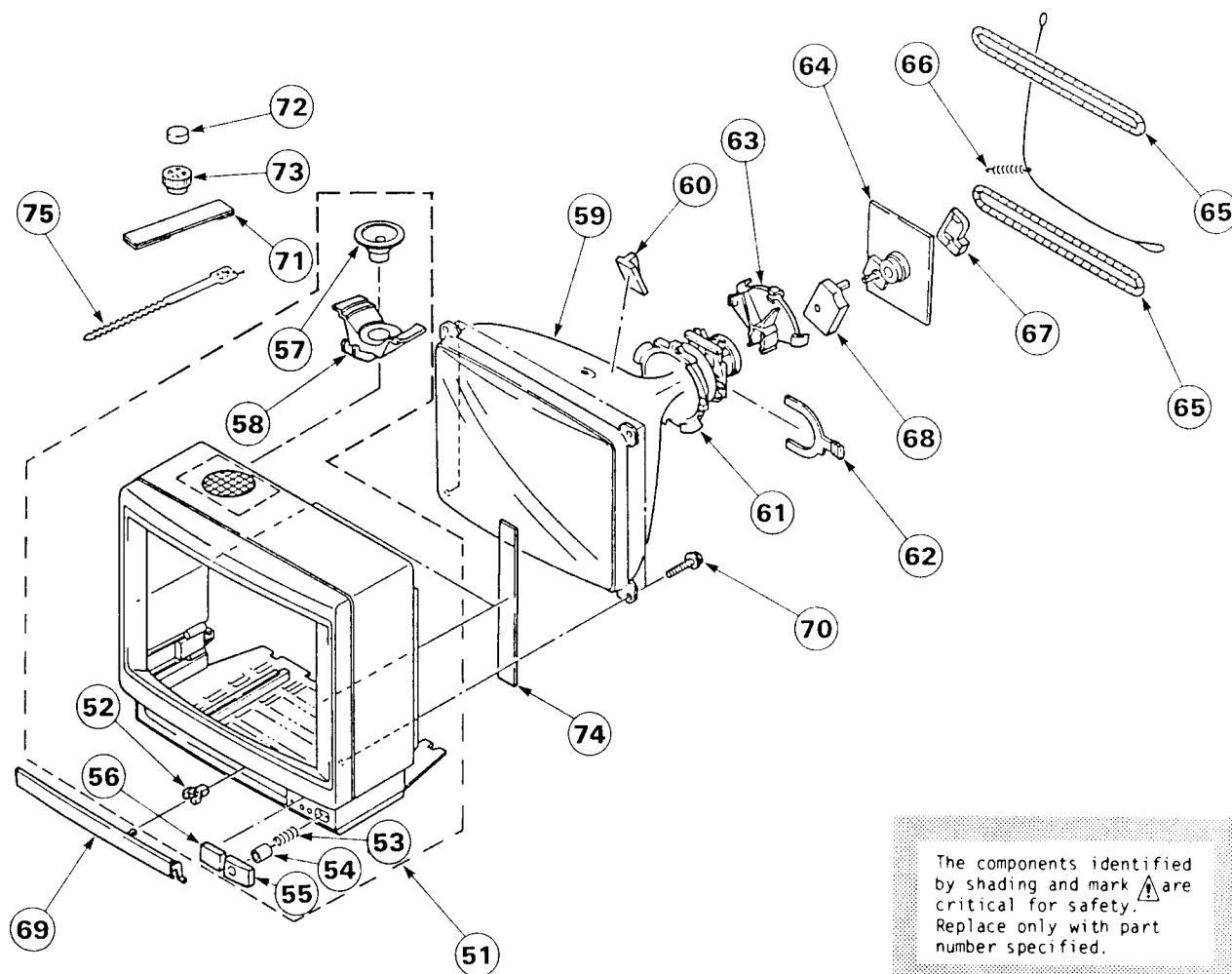
The components identified by shading and mark  are critical for safety. Replace only with part number specified.

### 6-1. CHASSIS



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-389-302-01	KNOB, VOLUME		9	4-386-611-01	COVER, SWITCH	
2	*4-388-955-01	BRACKET (B), LIGHT GUIDE		10	 1-571-433-11	SWITCH, PUSH (AC POWER)	
3	*4-374-987-01	GUIDE, LIGHT		11	*4-386-620-01	COVER, POWER	
4	*A-1345-840-A	D BOARD, COMPLETE		12	 4-022-115-01	HOLDER, AC CORD	
5	*A-1135-562-A	B BOARD, COMPLETE		13	 1-559-824-11	CORD, POWER (WITH CONNECTOR)	
6	 1-463-881-11	TUNER, ET (UV-617)		14	4-391-420-01	COVER, REAR (BLACK)	
7	 1-439-432-11	TRANSFORMER ASSY, FLYBACK			4-391-420-11	COVER, REAR (WHITE)	
8	*1-628-600-11	F BOARD					

## 6-2. BEZEL



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4389-323-1	BEZNET ASSY (BLACK)	52-58	63	*4-385-422-01	HOLDER, LEAD	
	X-4389-323-3	BEZNET ASSY (WHITE)	52-58	64	*A-1330-946-A	C BOARD, COMPLETE	
52	4-374-714-01	CATCH, PUSH		65	⚠ 1-426-317-21	COIL, DEGAUSSING	
53	4-382-732-11	SPRING		66	4-369-318-00	SPRING, TENSION	
54	4-391-417-01	BUTTON, POWER		67	*4-374-704-01	COVER (REAR LID), CV VOL	
55	4-391-418-01	ORNAMENT, BUTTON, POWER		68	*4-374-717-01	COVER (MAIN), CV VOL	
56	4-391-419-01	WINDOW, ORNAMENTAL		69	X-4389-322-2	DOOR ASSY	
57	1-503-344-21	SPEAKER (8CM CONE TYPE)		70	4-382-733-01	SCREW (S), PT	
58	4-391-423-01	HOLDER, SPEAKER		71	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
59	⚠ 8-738-852-05	PICTURE TUBE (A37JUW10X)		72	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
60	3-703-961-01	SPACER, DY		73	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
61	⚠ 1-451-304-21	DEFLECTION YOKE (Y16SXA)		74	4-391-450-01	CUSHION, CRT	
62	1-452-277-00	MAGNET, BMC		75	3-701-007-00	BAND, BINDING	

# SECTION 7 ELECTRICAL PARTS LIST

B

## NOTE:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS  
• MF :  $\mu$ F, PF :  $\mu$ F

RESISTORS  
• All resistors are in ohms  
• F : nonflammable

COILS  
• MMH : mH, UH :  $\mu$ H

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	*A-1135-562-A	B BOARD, COMPLETE *****		C348	1-106-375-12	MYLAR 0.022MF 10% 250V	
		<CAPACITOR>		C349	1-106-375-12	MYLAR 0.022MF 10% 250V	
C301	1-106-220-00	MYLAR 0.1MF 10% 100V		C350	1-124-917-11	ELECT 33MF 20% 50V	
C302	1-124-120-11	ELECT 220MF 20% 16V		C351	1-101-888-00	CERAMIC 68PF 5% 50V	
C303	1-101-005-00	CERAMIC 0.022MF 50V				<CONNECTOR>	
C304	1-106-367-00	MYLAR 0.01MF 10% 400V		C352	1-124-120-11	ELECT 220MF 20% 16V	
C305	1-102-971-00	CERAMIC 82PF 5% 50V		CNB31	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
C306	1-101-006-00	CERAMIC 0.047MF 50V		CNB32	*1-565-393-11	CONNECTOR, BOARD TO BOARD	
C307	1-101-004-00	CERAMIC 0.01MF 50V		CNB33	*1-565-393-11	CONNECTOR, BOARD TO BOARD	
C308	1-101-888-00	CERAMIC 68PF 5% 50V				<TRIMMER>	
C309	1-102-816-00	CERAMIC 120PF 5% 50V		CT301	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)	
C310	1-102-978-00	CERAMIC 220PF 5% 50V				<DIODE>	
C311	1-102-953-00	CERAMIC 18PF 5% 50V		D301	8-719-911-19	DIODE 1SS119	
C312	1-102-953-00	CERAMIC 18PF 5% 50V		D303	8-719-911-19	DIODE 1SS119	
C313	1-102-816-00	CERAMIC 120PF 5% 50V		D304	8-719-911-19	DIODE 1SS119	
C314	1-102-978-00	CERAMIC 220PF 5% 50V		D305	8-719-911-19	DIODE 1SS119	
C315	1-102-944-00	CERAMIC 7PF 0.5PF 50V		D306	8-719-911-19	DIODE 1SS119	
C316	1-102-944-00	CERAMIC 7PF 0.5PF 50V		D307	8-719-911-19	DIODE 1SS119	
C317	1-102-816-00	CERAMIC 120PF 5% 50V		D308	8-719-911-19	DIODE 1SS119	
C318	1-102-074-00	CERAMIC 0.001MF 10% 50V		D310	8-719-911-19	DIODE 1SS119	
C319	1-106-375-12	MYLAR 0.022MF 10% 250V		D311	8-719-911-19	DIODE 1SS119	
C320	1-102-935-00	CERAMIC 2PF 0.25PF 50V		D312	8-719-911-19	DIODE 1SS119	
C321	1-130-785-11	MYLAR 0.47MF 10% 100V		D313	8-719-911-19	DIODE 1SS119	
C322	1-106-383-00	MYLAR 0.047MF 10% 100V		D314	8-719-911-19	DIODE 1SS119	
C323	1-124-499-11	ELECT 1MF 20% 50V		D315	8-719-911-19	DIODE 1SS119	
C324	1-102-074-00	CERAMIC 0.001MF 10% 50V		D316	8-719-911-19	DIODE 1SS119	
C325	1-101-004-00	CERAMIC 0.01MF 50V		D317	8-719-911-19	DIODE 1SS119	
C326	1-101-361-00	CERAMIC 150PF 5% 50V		D318	8-719-911-19	DIODE 1SS119	
C327	1-101-004-00	CERAMIC 0.01MF 50V				<DELAY LINE>	
C328	1-124-120-11	ELECT 220MF 20% 16V		DL301	1-415-122-00	DELAY LINE	
C329	1-131-367-00	TANTALUM 22MF 10% 16V		DL301	1-415-122-00	DELAY LINE	
C330	1-102-973-00	CERAMIC 100PF 5% 50V				<IC>	
C331	1-124-927-11	ELECT 4.7MF 20% 50V		IC301	8-759-947-20	IC TDA4555-V8	
C332	1-130-783-00	MYLAR 0.33MF 10% 100V		IC302	8-759-947-19	IC TDA3505-V9	
C333	1-124-499-11	ELECT 1MF 20% 50V				<COIL>	
C334	1-106-375-12	MYLAR 0.022MF 10% 250V		L301	1-408-423-00	INDUCTOR 150UH	
C335	1-106-375-12	MYLAR 0.022MF 10% 250V		L302	1-408-408-00	INDUCTOR 8.2UH	
C336	1-124-927-11	ELECT 4.7MF 20% 50V		L303	1-401-539-11	COIL	
C337	1-130-834-00	MYLAR 1MF 10% 63V		L304	1-404-554-11	COIL	
C339	1-106-375-12	MYLAR 0.022MF 10% 250V					
C340	1-130-783-00	MYLAR 0.33MF 10% 100V					
C341	1-130-783-00	MYLAR 0.33MF 10% 100V					
C342	1-124-120-11	ELECT 220MF 20% 16V					
C343	1-106-375-12	MYLAR 0.022MF 10% 250V					
C344	1-106-375-12	MYLAR 0.022MF 10% 250V					
C345	1-106-375-12	MYLAR 0.022MF 10% 250V					
C346	1-101-880-00	CERAMIC 47PF 5% 50V					
C347	1-106-375-12	MYLAR 0.022MF 10% 250V					

B

F

C


The components identified  
by shading and mark **A** are  
critical for safety.  
Replace only with part  
number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
L305	1-404-554-11	COIL		R350	1-249-436-11	CARBON 39K 5% 1/4W	
L306	1-404-554-11	COIL		R352	1-249-437-11	CARBON 47K 5% 1/4W	
L307	1-408-423-00	INDUCTOR 150UH		R353	1-249-413-11	CARBON 470 5% 1/4W	
L308	1-404-495-00	COIL		R355	1-247-887-00	CARBON 220K 5% 1/4W	
<TRANSISTOR>				R356	1-247-887-00	CARBON 220K 5% 1/4W	
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE		R357	1-249-417-11	CARBON 1K 5% 1/4W	
Q302	8-729-119-78	TRANSISTOR 2SC2785-HFE		R399	1-247-903-00	CARBON 1M 5% 1/4W	
Q303	8-729-119-78	TRANSISTOR 2SC2785-HFE		<VARIABLE RESISTOR>			
Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV301	1-238-009-11	RES. ADJ. CARBON 220	
Q305	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV302	1-238-016-11	RES. ADJ. CARBON 10K	
Q307	8-729-119-78	TRANSISTOR 2SC2785-HFE		<TRANSFORMER>			
Q308	8-729-900-80	TRANSISTOR DTC114ES		T301	1-404-584-11	COIL	
Q309	8-729-173-38	TRANSISTOR 2SA733-K		<CRYSTAL>			
<RESISTOR>				X301	1-567-131-00	OSCILLATOR, CRYSTAL	
R301	1-249-418-11	CARBON 1.2K 5% 1/4W		<YC MODULE>			
R302	1-249-401-11	CARBON 47 5% 1/4W		YCM301	1-235-753-21	YC MODULE	
R303	1-249-412-11	CARBON 390 5% 1/4W		*****			
R304	1-249-408-11	CARBON 180 5% 1/4W		*1-628-600-11	F BOARD		
R305	1-249-416-11	CARBON 820 5% 1/4W			*****		
R306	1-249-419-11	CARBON 1.5K 5% 1/4W		<CONNECTOR>			
R307	1-249-431-11	CARBON 15K 5% 1/4W		CNF61	*1-566-664-11	PIN, CONNECTOR 4P	
R308	1-249-417-11	CARBON 1K 5% 1/4W		CNF62	*1-566-664-11	PIN, CONNECTOR 4P	
R309	1-249-409-11	CARBON 220 5% 1/4W		<FUSE>			
R310	1-247-891-00	CARBON 330K 5% 1/4W		F601	A 1-576-016-11	FUSE, GLASS-TURE (TIME-LAG) 3.15A/250V	
R311	1-247-891-00	CARBON 330K 5% 1/4W			1-533-087-00	HOLDER, FUSE: F601	
R312	1-249-405-11	CARBON 100 5% 1/4W		<SWITCH>			
R313	1-249-405-11	CARBON 100 5% 1/4W		S601	A 1-571-433-11	SWITCH, PUSH (AC POWER)	
R314	1-249-405-11	CARBON 100 5% 1/4W		*****			
R315	1-249-437-11	CARBON 47K 5% 1/4W		*A-1330-946-A	C BOARD, COMPLETE		
R316	1-249-404-00	CARBON 82 5% 1/4W			*****		
R317	1-249-429-11	CARBON 10K 5% 1/4W		*4-374-704-01	COVER (REAR LID), CV VOL		
R318	1-247-848-11	CARBON 5.1K 5% 1/4W		*4-374-717-01	COVER (MAIN), CV VOL		
R319	1-249-419-11	CARBON 1.5K 5% 1/4W		<CAPACITOR>			
R320	1-249-437-11	CARBON 47K 5% 1/4W		C701	1-102-980-00	CERAMIC 270PF 5% 50V	
R321	1-249-418-11	CARBON 1.2K 5% 1/4W		C702	1-102-980-00	CERAMIC 270PF 5% 50V	
R322	1-249-417-11	CARBON 1K 5% 1/4W		C703	1-102-820-00	CERAMIC 330PF 5% 50V	
R323	1-249-410-11	CARBON 270 5% 1/4W		C704	1-102-114-00	CERAMIC 470PF 10% 50V	
R324	1-249-421-11	CARBON 2.2K 5% 1/4W		C705	1-102-114-00	CERAMIC 470PF 10% 50V	
R325	1-249-419-11	CARBON 1.5K 5% 1/4W		C706	1-102-114-00	CERAMIC 470PF 10% 50V	
R326	1-249-417-11	CARBON 1K 5% 1/4W		C707	1-123-947-00	ELECT 10MF 20% 250V	
R327	1-249-415-11	CARBON 680 5% 1/4W		C708	1-162-116-00	CERAMIC 680PF 10% 2KV	
R328	1-249-437-11	CARBON 47K 5% 1/4W		C709	1-136-666-11	FILM 0.01MF 5% 1KV	
R329	1-247-891-00	CARBON 330K 5% 1/4W		C710	1-124-477-11	ELECT 47MF 20% 16V	
R330	1-249-440-11	CARBON 82K 5% 1/4W		C711	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R331	1-247-895-00	CARBON 470K 5% 1/4W					
R332	1-247-903-00	CARBON 1M 5% 1/4W					
R333	1-214-907-00	METAL 56K 1% W					
R334	1-249-426-11	CARBON 5.6K 5% 1/4W					
R335	1-249-439-11	CARBON 68K 5% 1/4W					
R336	1-249-425-11	CARBON 4.7K 5% 1/4W					
R337	1-249-413-11	CARBON 470 5% 1/4W					
R338	1-249-413-11	CARBON 470 5% 1/4W					
R341	1-249-431-11	CARBON 15K 5% 1/4W					
R343	1-247-885-00	CARBON 180K 5% 1/4W					
R344	1-249-432-11	CARBON 18K 5% 1/4W					
R345	1-249-433-11	CARBON 22K 5% 1/4W					
R346	1-249-413-11	CARBON 470 5% 1/4W					
R347	1-249-417-11	CARBON 1K 5% 1/4W					
R348	1-249-435-11	CARBON 33K 5% 1/4W					
R349	1-249-436-11	CARBON 39K 5% 1/4W					




REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C712	1-102-074-00	CERAMIC	0.001MF 10% 50V	R722	1-216-463-00	METAL OXIDE	12K 5% 2W
C713	1-102-074-00	CERAMIC	0.001MF 10% 50V	R726	1-202-719-00	SOLID	1M 10% 1/2W
C714	1-162-318-11	CERAMIC	0.001MF 10% 500V	R727	1-202-838-00	SOLID	100K 10% 1/2W
<CONNECTOR>				R728	1-202-842-11	SOLID	220K 10% 1/2W
CNC71	*1-508-786-00	PIN, CONNECTOR (5MM PITCH)	2P	R729	1-216-348-00	WIREWOUND	0.82 10% 1/2W
CNC72	*1-560-123-00	PLUG, CONNECTOR (2.5MM)	3P	R731	1-202-719-00	SOLID	1M 10% 1/2W
CNC73	*1-560-126-00	PLUG, CONNECTOR (2.5MM)	6P	R732	1-247-895-00	CARBON	470K 5% 1/4W
CNC74	*1-508-765-00	PIN, CONNECTOR (5MM PITCH)	3P	R734	1-249-421-11	CARBON	2.2K 5% 1/4W
<DIODE>				R735	1-249-421-11	CARBON	2.2K 5% 1/4W
D701	8-719-911-19	DIODE 1SS119		R736	1-249-421-11	CARBON	2.2K 5% 1/4W
D702	8-719-911-19	DIODE 1SS119		<VARIABLE RESISTOR>			
D703	8-719-911-19	DIODE 1SS119		RV701	1-237-749-11	RES. ADJ. CARBON 2200	
D704	8-719-911-19	DIODE 1SS119		RV702	1-237-749-11	RES. ADJ. CARBON 2200	
D705	8-719-911-19	DIODE 1SS119		RV703	1-230-641-11	RES. ADJ. METAL GLAZE 2.2M	
D706	8-719-911-19	DIODE 1SS119		RV704	1-230-641-11	RES. ADJ. METAL GLAZE 2.2M	
D707	8-719-911-19	DIODE 1SS119		RV705	1-230-619-11	RES. ADJ. METAL GLAZE 110M	
D708	8-719-911-19	DIODE 1SS119		*****			
D709	8-719-911-19	DIODE 1SS119		*A-1345-840-A	D BOARD, COMPLETE		
<JACK>					*****		
J901	1-526-814-11	SOCKET, PICTURE TUBE		*4-341-751-01	EYELET		
<COIL>				*4-341-752-01	EYELET		
L701	1-407-496-00	INDUCTOR	2.2MMH	<CAPACITOR>			
<TRANSISTOR>				C001	1-126-233-11	ELECT	22MF 20% 50V
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE		C002	1-124-499-11	ELECT	1MF 20% 50V
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE		C003	1-124-499-11	ELECT	1MF 20% 50V
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE		C004	1-102-973-00	CERAMIC	100PF 5% 50V
Q704	8-729-906-70	TRANSISTOR BF871		C005	1-106-220-00	MYLAR	0.1MF 10% 100V
Q705	8-729-906-70	TRANSISTOR BF871		C007	1-124-927-11	ELECT	4.7MF 20% 50V
Q706	8-729-906-70	TRANSISTOR BF871		C009	1-102-111-00	CERAMIC	270PF 10% 50V
Q707	8-729-200-17	TRANSISTOR 2SA1091-U		C010	1-102-965-00	CERAMIC	39PF 5% 50V
Q708	8-729-200-17	TRANSISTOR 2SA1091-U		C011	1-102-965-00	CERAMIC	39PF 5% 50V
Q709	8-729-200-17	TRANSISTOR 2SA1091-U		C012	1-101-004-00	CERAMIC	0.01MF 50V
<RESISTOR>				C013	1-102-959-00	CERAMIC	22PF 5% 50V
R701	1-249-423-11	CARBON	3.3K 5% 1/4W	C014	1-101-004-00	CERAMIC	0.01MF 50V
R702	1-249-423-11	CARBON	3.3K 5% 1/4W	C015	1-124-479-11	ELECT	330MF 20% 25V
R703	1-249-415-11	CARBON	680 5% 1/4W	C016	1-102-978-00	CERAMIC	220PF 5% 50V
R704	1-249-415-11	CARBON	680 5% 1/4W	C019	1-126-233-11	ELECT	22MF 20% 50V
R705	1-249-401-11	CARBON	47 5% 1/4W	C020	1-126-233-11	ELECT	22MF 20% 50V
R706	1-249-401-11	CARBON	47 5% 1/4W	C021	1-102-114-00	CERAMIC	470PF 10% 50V
R707	1-249-401-11	CARBON	47 5% 1/4W	C022	1-101-004-00	CERAMIC	0.01MF 50V
R708	1-249-417-11	CARBON	1K 5% 1/4W	C033	1-101-004-00	CERAMIC	0.01MF 50V
R709	1-249-416-11	CARBON	820 5% 1/4W	C034	1-126-101-11	ELECT	100MF 20% 16V
R710	1-249-413-11	CARBON	470 5% 1/4W	C037	1-101-004-00	CERAMIC	0.01MF 50V
R712	1-247-891-00	CARBON	330K 5% 1/4W	C041	1-102-116-00	CERAMIC	680PF 10% 50V
R713	1-247-881-00	CARBON	120K 5% 1/4W	C043	1-102-978-00	CERAMIC	220PF 5% 50V
R714	1-249-417-11	CARBON	1K 5% 1/4W	C071	1-106-220-00	MYLAR	0.1MF 10% 100V
R715	1-249-417-11	CARBON	1K 5% 1/4W	C072	1-106-383-00	MYLAR	0.047MF 10% 100V
R716	1-249-417-11	CARBON	1K 5% 1/4W	C073	1-101-004-00	CERAMIC	0.01MF 50V
R717	1-202-824-00	SOLID	3.3K 10% 1/2W	C075	1-102-074-00	CERAMIC	0.001MF 10% 50V
R718	1-202-824-00	SOLID	3.3K 10% 1/2W	C076	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R719	1-202-824-00	SOLID	3.3K 10% 1/2W	C151	1-124-477-11	ELECT	47MF 20% 16V
R720	1-216-463-00	METAL OXIDE	12K 5% 2W	C152	1-124-480-11	ELECT	470MF 20% 25V
R721	1-216-463-00	METAL OXIDE	12K 5% 2W	C154	1-106-216-00	MYLAR	0.068MF 10% 100V
				C155	1-106-216-00	MYLAR	0.068MF 10% 100V
				C156	1-101-004-00	CERAMIC	0.01MF 50V
				C157	1-102-963-00	CERAMIC	33PF 5% 50V
				C158	1-124-477-11	ELECT	47MF 20% 16V
				C163	1-101-003-00	CERAMIC	0.0047MF 50V

D

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
C201	1-124-479-11	ELECT	330MF	20%	25V	C614	1-126-101-11	ELECT	100MF	20%	16V
C202	1-106-220-00	MYLAR	0.1MF	10%	100V	C615	△ 1-162-578-51	CERAMIC	0.0047MF	20%	400V
C203	1-124-791-11	ELECT	1MF	20%	50V	C616	△ 1-162-578-51	CERAMIC	0.0047MF	20%	400V
C204	1-106-383-00	MYLAR	0.047MF	10%	100V	C618	1-126-233-11	ELECT	22MF	20%	50V
C205	1-123-875-11	ELECT	10MF	20%	50V	C620	△ 1-136-519-11	FILM	0.47MF	20%	300V
C206	1-106-379-12	MYLAR	0.033MF	10%	250V	C621	△ 1-136-519-11	FILM	0.47MF	20%	300V
C207	1-106-220-00	MYLAR	0.1MF	10%	100V	C622	△ 1-162-578-51	CERAMIC	0.0047MF	20%	400V
C208	1-126-104-11	ELECT	470MF	20%	25V	C623	△ 1-162-578-51	CERAMIC	0.0047MF	20%	400V
C209	1-102-074-00	CERAMIC	0.001MF	10%	50V	C626	△ 1-102-316-91	CERAMIC	15PF	5%	500V
C210	1-102-114-00	CERAMIC	470PF	10%	50V	C629	△ 1-102-316-91	CERAMIC	15PF	5%	500V
C212	1-102-973-00	CERAMIC	100PF	5%	50V	C631	1-102-244-00	CERAMIC	220PF	10%	500V
C213	1-101-005-00	CERAMIC	0.022MF		50V	C801	1-124-499-11	ELECT	1MF	20%	50V
C402	1-101-003-00	CERAMIC	0.0047MF		50V	C802	1-123-932-00	ELECT	4.7MF	20%	160V
C404	1-102-114-00	CERAMIC	470PF	10%	50V	C803	1-106-383-00	MYLAR	0.047MF	10%	100V
C405	1-124-902-00	ELECT	0.47MF	20%	50V	C804	1-106-357-00	MYLAR	0.0039MF	10%	400V
C406	1-124-477-11	ELECT	47MF	20%	16V	C805	1-102-244-00	CERAMIC	220PF	10%	500V
C407	1-124-902-00	ELECT	0.47MF	20%	50V	C806	△ 1-162-116-51	CERAMIC	680PF	10%	2KV
C409	1-124-477-11	ELECT	47MF	20%	16V	C807	1-130-783-00	MYLAR	0.33MF	10%	100V
C410	1-124-477-11	ELECT	47MF	20%	16V	C808	1-136-188-11	FILM	0.068MF	10%	160V
C411	1-102-074-00	CERAMIC	0.001MF	10%	50V	C811	1-123-875-11	ELECT	10MF	20%	50V
C412	1-126-101-11	ELECT	100MF	20%	16V	C812	△ 1-136-073-11	FILM	0.0073MF	3%	2KV
C413	1-126-233-11	ELECT	22MF	20%	50V	C813	1-102-074-00	CERAMIC	0.001MF	10%	50V
C417	1-101-005-00	CERAMIC	0.022MF		50V	C814	1-106-375-12	MYLAR	0.022MF	10%	250V
C418	1-102-074-00	CERAMIC	0.001MF	10%	50V	C815	1-124-634-11	ELECT	1MF	20%	250V
C433	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C818	1-126-101-11	ELECT	100MF	20%	16V
C501	1-101-004-00	CERAMIC	0.01MF		50V	C819	1-102-074-00	CERAMIC	0.001MF	10%	50V
C502	1-102-117-00	CERAMIC	820PF	10%	50V	C821	1-106-226-00	MYLAR	0.18MF	10%	100V
C503	1-101-880-00	CERAMIC	47PF	5%	50V	C822	1-136-541-11	FILM	1.5MF	5%	160V
C504	1-124-480-11	ELECT	470MF	20%	25V	C825	1-106-367-00	MYLAR	0.01MF	10%	400V
C505	1-124-122-11	ELECT	100MF	20%	50V	C851	1-123-948-00	ELECT	22MF	20%	250V
C506	1-130-833-00	MYLAR	0.82MF	10%	63V	C852	1-162-114-00	CERAMIC	0.0047MF		2KV
C507	1-124-913-11	ELECT	470MF	20%	50V	C853	1-162-318-11	CERAMIC	0.001MF	10%	500V
C508	1-106-220-00	MYLAR	0.1MF	10%	100V	C854	1-110-180-81	MYLAR	0.27MF	10%	100V
C510	1-126-233-11	ELECT	22MF	20%	50V	C855	1-110-180-81	MYLAR	0.27MF	10%	100V
C551	1-124-927-11	ELECT	4.7MF	20%	50V	C856	1-162-318-11	CERAMIC	0.001MF	10%	500V
C552	1-124-927-11	ELECT	4.7MF	20%	50V	C857	1-106-375-12	MYLAR	0.022MF	10%	250V
C553	1-106-220-00	MYLAR	0.1MF	10%	100V	C858	1-123-357-00	ELECT	22MF	20%	50V
C554	1-126-233-11	ELECT	22MF	20%	50V	C859	1-126-101-11	ELECT	100MF	20%	16V
C555	1-124-925-11	ELECT	2.2MF	20%	50V	C860	1-102-228-00	CERAMIC	470PF	10%	500V
C556	1-101-361-00	CERAMIC	150PF	5%	50V			<FILTER>			
C557	1-130-783-00	MYLAR	0.33MF	10%	100V	CF001	1-577-082-11	VIBRATOR, CERAMIC			
C558	1-130-783-00	MYLAR	0.33MF	10%	100V			<CONNECTOR>			
C559	1-106-357-00	MYLAR	0.0039MF	10%	400V	CND21	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)			
C560	1-126-101-11	ELECT	100MF	20%	16V	CND42	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR			
C561	1-106-220-00	MYLAR	0.1MF	10%	100V	CND43	*1-565-394-11	PIN, BOARD TO BOARD CONNECTOR			
C562	1-161-961-00	CERAMIC	0.0022MF	10%	3KV	CNC61	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P			
C563	1-124-477-11	ELECT	47MF	20%	16V	CND62	*1-565-458-11	PIN, CONNECTOR 3P			
C564	1-136-298-00	FILM	0.0033MF	2%	100V	CND81	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P			
C565	1-106-228-00	MYLAR	0.22MF	10%	100V	CND82	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P			
C566	1-102-942-00	CERAMIC	5PF	1PF	50V	CND83	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P			
C567	1-106-371-00	MYLAR	0.015MF	10%	400V			<DIODE>			
C568	1-161-961-00	CERAMIC	0.0022MF	10%	3KV	D002	8-719-911-19	DIODE 1SS119			
C570	1-124-902-00	ELECT	0.47MF	20%	50V	D003	8-719-911-19	DIODE 1SS119			
C571	1-126-101-11	ELECT	100MF	20%	16V	D004	8-719-911-19	DIODE 1SS119			
C601	△ 1-161-964-61	CERAMIC	0.0047MF		250V	D005	8-719-970-79	DIODE PLED-H544CL-6			
C602	△ 1-161-964-61	CERAMIC	0.0047MF		250V		*4-389-319-01	HOLDER, LED; D005			
C603	△ 1-161-964-61	CERAMIC	0.0047MF		250V						
C604	1-125-293-00	ELECT (BLOCK)	220MF		400V						
C605	1-161-754-00	CERAMIC	0.001MF	10%	2KV						
C606	1-136-637-11	FILM	0.047MF	10%	630V						
C607	1-106-383-00	MYLAR	0.047MF	10%	100V						
C608	1-162-116-00	CERAMIC	680PF	10%	2KV						
C609	1-124-347-00	ELECT	100MF	20%	160V						
C610	1-124-557-11	ELECT	1000MF	20%	25V						

The components identified  
by shading and mark  are  
critical for safety.  
Replace only with part  
number specified.

D

REF.NO.	PART NO.	DESCRIPTION
D007	8-719-911-19	DIODE 1SS119
D008	8-719-911-19	DIODE 1SS119
D009	8-719-911-19	DIODE 1SS119
D010	8-719-911-19	DIODE 1SS119
D011	8-719-911-19	DIODE 1SS119
D016	8-719-911-19	DIODE 1SS119
D017	8-719-911-19	DIODE 1SS119
D019	8-719-911-19	DIODE 1SS119
D025	8-719-109-71	DIODE RD3.9ES-B1
D151	8-719-911-19	DIODE 1SS119
D156	8-719-911-19	DIODE 1SS119
D201	8-719-911-19	DIODE 1SS119
D402	8-719-109-96	DIODE RD6.8ES-B1
D403	8-719-109-96	DIODE RD6.8ES-B1
D404	8-719-109-96	DIODE RD6.8ES-B1
D405	8-719-911-19	DIODE 1SS119
D406	8-719-911-19	DIODE 1SS119
D407	8-719-911-19	DIODE 1SS119
D408	8-719-911-19	DIODE 1SS119
D410	8-719-911-19	DIODE 1SS119
D411	8-719-911-19	DIODE 1SS119
D413	8-719-110-30	DIODE RD12ES-B1
D414	8-719-911-19	DIODE 1SS119
D415	8-719-911-19	DIODE 1SS119
D416	8-719-911-19	DIODE 1SS119
D419	8-719-911-19	DIODE 1SS119
D420	8-719-911-19	DIODE 1SS119
D421	8-719-911-19	DIODE 1SS119
D501	8-719-911-55	DIODE U05G
D551	8-719-911-55	DIODE U05G
D601	8-719-946-90	DIODE KBU4JL-6088
D602	8-719-300-65	DIODE ES1F
D603	8-719-911-55	DIODE U05G
D604	8-719-901-58	DIODE RGP15J
D605	8-719-300-33	DIODE RU3AM
D606	8-719-908-06	DIODE ERA81-005
D607	8-719-300-33	DIODE RU3AM
D608	8-719-300-33	DIODE RU3AM
D609	8-719-911-55	DIODE U05G
D610	8-719-911-55	DIODE U05G
D611	8-719-303-49	DIODE R2M
D801	8-719-945-80	DIODE ERC06-15S
D802	8-719-901-58	DIODE RGP15J
D851	8-719-300-33	DIODE RU3AM
D852	8-719-300-65	DIODE ES1F
D853	8-719-300-33	DIODE RU3AM
D855	8-719-300-33	DIODE RU3AM
D857	8-719-911-55	DIODE U05G
D858	8-719-911-55	DIODE U05G
<IC>		
IC001	8-759-630-92	IC M50436-616SP
IC002	8-752-330-60	IC CXK1012P
IC003	8-741-139-80	IC BX-1398
IC004	8-759-157-40	IC UPC574J
IC005	8-759-708-05	IC NJM78L05A
IC201	8-759-980-45	IC TDA1013A-N4
IC401	8-759-340-53	IC HD14053BP
IC402	8-759-946-32	IC TEA2014A
IC501	8-759-113-05	IC UPC1488H
	*4-368-683-01	SPRING; IC501
IC551	8-759-973-52	IC TDA2579A/N7
IC601	8-749-901-65	IC STR54041

REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
		4-365-216-00	SPACER, MICA; IC601	
		*4-368-683-01	SPRING; IC601	
	IC801	8-759-145-58	IC UPC4558C	
	IC851	8-759-604-39	IC UPC78M12H	
		*4-368-683-01	SPRING; IC851	
	<JACK>			
	J201	1-507-678-00	JACK	
	J401	1-561-534-00	SOCKET 21P	
	J402	1-563-500-11	JACK BLOCK, PIN (L TYPE) 2P	
	<COIL>			
	L002	1-408-411-00	INDUCTOR 15UH	
	L003	1-408-409-00	INDUCTOR 10UH	
	L004	1-408-415-00	INDUCTOR 33UH	
	L005	1-410-663-31	INDUCTOR 10UH	
	L151	1-408-226-00	INDUCTOR 82UH	
	L152	1-410-683-31	INDUCTOR 560UH	
	L153	1-408-399-00	INDUCTOR 1.5UH	
	L201	1-408-409-00	INDUCTOR 10UH	
	L202	1-408-409-00	INDUCTOR 10UH	
	L401	1-408-417-00	INDUCTOR 47UH	
	L403	1-408-409-00	INDUCTOR 10UH	
	L410	1-410-316-11	INDUCTOR 1UH	
	L501	1-408-226-00	INDUCTOR 82UH	
	L803	1-407-365-00	COIL, CHOKE	
	L804	1-459-105-21	COIL(WITH CORE)	
	L805	1-459-635-11	HLC	
	L806	1-459-856-11	COIL, FERRITE	
	L821	1-459-881-11	COIL, CHOKE 2.7MMH	
	L822	1-410-067-21	INDUCTOR 4.7MMH	
	L823	1-459-855-11	COIL, FERRITE	
	<IC LINK>			
	PS501A	1-532-679-91	LINK, IC 0.6A	
	PS802A	1-532-679-91	LINK, IC 0.6A	
	<TRANSISTOR>			
	Q001	8-729-900-36	TRANSISTOR DTC124ES	
	Q003	8-729-900-65	TRANSISTOR DTA124ES	
	Q004	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q008	8-729-900-36	TRANSISTOR DTC124ES	
	Q009	8-729-900-74	TRANSISTOR DTC143TS	
	Q012	8-729-173-38	TRANSISTOR 2SA733-K	
	Q015	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q071	8-729-173-38	TRANSISTOR 2SA733-K	
	Q151	8-729-900-61	TRANSISTOR DTA114ES	
	Q152	8-729-900-61	TRANSISTOR DTA114ES	
	Q154	8-729-900-61	TRANSISTOR DTA114ES	
	Q155	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q158	8-729-901-59	TRANSISTOR BF199	
	Q402	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q403	8-729-173-38	TRANSISTOR 2SA733-K	
	Q404	8-729-173-38	TRANSISTOR 2SA733-K	
	Q405	8-729-173-38	TRANSISTOR 2SA733-K	
	Q406	8-729-900-80	TRANSISTOR DTC114ES	
	Q501	8-729-119-78	TRANSISTOR 2SC2785-HFE	
	Q551	8-729-173-38	TRANSISTOR 2SA733-K	
	Q601	8-729-906-74	TRANSISTOR BC637-16	



D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q801	8-729-119-80	TRANSISTOR 2SC2688-LK		R084	1-249-424-11	CARBON	3.9K 5% 1/4W
Q802	8-729-906-69	TRANSISTOR BU506DF		R085	1-247-881-00	CARBON	120K 5% 1/4W
Q803	*4-389-343-01	SPRING; Q802		R086	1-249-429-11	CARBON	10K 5% 1/4W
Q804	8-729-920-92	TRANSISTOR 2SD2096-EF		R151	1-249-405-11	CARBON	100 5% 1/4W
	8-729-119-78	TRANSISTOR 2SC2785-HFE					
<RESISTOR>							
R001	1-249-438-11	CARBON	56K 5% 1/4W	R152	1-249-429-11	CARBON	10K 5% 1/4W
R002	1-249-440-11	CARBON	82K 5% 1/4W	R153	1-249-433-11	CARBON	22K 5% 1/4W
R004	1-249-439-11	CARBON	68K 5% 1/4W	R154	1-249-429-11	CARBON	10K 5% 1/4W
R005	1-249-413-11	CARBON	470 5% 1/4W	R155	1-249-418-11	CARBON	1.2K 5% 1/4W
R006	1-249-441-11	CARBON	100K 5% 1/4W	R156	1-247-891-00	CARBON	330K 5% 1/4W
R008	1-249-429-11	CARBON	10K 5% 1/4W	R157	1-249-421-11	CARBON	2.2K 5% 1/4W
R009	1-249-429-11	CARBON	10K 5% 1/4W	R158	1-249-421-11	CARBON	2.2K 5% 1/4W
R010	1-249-433-11	CARBON	22K 5% 1/4W	R160	1-249-405-11	CARBON	100 5% 1/4W
R011	1-249-433-11	CARBON	22K 5% 1/4W	R162	1-249-425-11	CARBON	4.7K 5% 1/4W
R012	1-249-433-11	CARBON	22K 5% 1/4W	R163	1-249-425-11	CARBON	4.7K 5% 1/4W
R013	1-249-433-11	CARBON	22K 5% 1/4W	R164	1-249-413-11	CARBON	470 5% 1/4W
R014	1-215-900-11	METAL OXIDE	22K 5% 2W	R172	1-249-422-11	CARBON	2.7K 5% 1/4W
R015	1-249-421-11	CARBON	2.2K 5% 1/4W	R173	1-249-429-11	CARBON	10K 5% 1/4W
R016	1-249-433-11	CARBON	22K 5% 1/4W	R180	1-249-419-11	CARBON	1.5K 5% 1/4W
R017	1-249-407-11	CARBON	150 5% 1/4W	R185	1-249-439-11	CARBON	68K 5% 1/4W
R018	1-249-417-11	CARBON	1K 5% 1/4W	R186	1-249-441-11	CARBON	100K 5% 1/4W
R019	1-249-413-11	CARBON	470 5% 1/4W	R201	1-249-387-11	CARBON	3.3 5% 1/4W
R020	1-249-413-11	CARBON	470 5% 1/4W	R202	1-247-887-00	CARBON	220K 5% 1/4W
R021	1-249-413-11	CARBON	470 5% 1/4W	R203	1-249-411-11	CARBON	330 5% 1/4W
R022	1-249-411-11	CARBON	330 5% 1/4W	R204	1-247-739-11	CARBON	100 5% 1/2W
R023	1-249-416-11	CARBON	820 5% 1/4W	R401	1-247-804-11	CARBON	75 5% 1/4W
R025	1-249-417-11	CARBON	1K 5% 1/4W	R402	1-247-804-11	CARBON	75 5% 1/4W
R029	1-249-429-11	CARBON	10K 5% 1/4W	R403	1-247-804-11	CARBON	75 5% 1/4W
R030	1-249-429-11	CARBON	10K 5% 1/4W	R404	1-247-804-11	CARBON	75 5% 1/4W
R035	1-249-431-11	CARBON	15K 5% 1/4W	R405	1-249-411-11	CARBON	330 5% 1/4W
R037	1-249-429-11	CARBON	10K 5% 1/4W	R406	1-249-411-11	CARBON	330 5% 1/4W
R038	1-249-429-11	CARBON	10K 5% 1/4W	R407	1-249-411-11	CARBON	330 5% 1/4W
R039	1-249-417-11	CARBON	1K 5% 1/4W	R408	1-249-431-11	CARBON	15K 5% 1/4W
R040	1-249-430-11	CARBON	12K 5% 1/4W	R409	1-249-431-11	CARBON	15K 5% 1/4W
R042	1-249-433-11	CARBON	22K 5% 1/4W	R413	1-249-425-11	CARBON	4.7K 5% 1/4W
R043	1-249-429-11	CARBON	10K 5% 1/4W	R410	1-249-409-11	CARBON	220 5% 1/4W
R044	1-249-433-11	CARBON	22K 5% 1/4W	R411	1-249-409-11	CARBON	220 5% 1/4W
R046	1-249-425-11	CARBON	4.7K 5% 1/4W	R412	1-249-409-11	CARBON	220 5% 1/4W
R051	1-249-427-11	CARBON	6.8K 5% 1/4W	R414	1-249-433-11	CARBON	22K 5% 1/4W
R052	1-249-413-11	CARBON	470 5% 1/4W	R416	1-247-804-11	CARBON	75 5% 1/4W
R055	1-249-413-11	CARBON	470 5% 1/4W	R418	1-249-417-11	CARBON	1K 5% 1/4W
R056	1-249-423-11	CARBON	3.3K 5% 1/4W	R419	1-249-425-11	CARBON	4.7K 5% 1/4W
R058	1-249-429-11	CARBON	10K 5% 1/4W	R420	1-249-413-11	CARBON	470 5% 1/4W
R059	1-249-426-11	CARBON	5.6K 5% 1/4W	R421	1-249-409-11	CARBON	220 5% 1/4W
R060	1-249-417-11	CARBON	1K 5% 1/4W	R422	1-249-404-00	CARBON	82 5% 1/4W
R061	1-249-413-11	CARBON	470 5% 1/4W	R423	1-249-438-11	CARBON	56K 5% 1/4W
R063	1-249-422-11	CARBON	2.7K 5% 1/4W	R424	1-249-437-11	CARBON	47K 5% 1/4W
R064	1-249-417-11	CARBON	1K 5% 1/4W	R425	1-249-437-11	CARBON	47K 5% 1/4W
R065	1-249-433-11	CARBON	22K 5% 1/4W	R426	1-249-405-11	CARBON	100 5% 1/4W
R066	1-249-425-11	CARBON	4.7K 5% 1/4W	R427	1-247-804-11	CARBON	75 5% 1/4W
R070	1-249-429-11	CARBON	10K 5% 1/4W	R428	1-249-432-11	CARBON	18K 5% 1/4W
R071	1-249-413-11	CARBON	470 5% 1/4W	R429	1-249-409-11	CARBON	220 5% 1/4W
R072	1-249-441-11	CARBON	100K 5% 1/4W	R430	1-249-437-11	CARBON	47K 5% 1/4W
R073	1-249-435-11	CARBON	33K 5% 1/4W	R431	1-249-441-11	CARBON	100K 5% 1/4W
R074	1-249-429-11	CARBON	10K 5% 1/4W	R432	1-249-437-11	CARBON	47K 5% 1/4W
R075	1-249-431-11	CARBON	15K 5% 1/4W	R434	1-249-415-11	CARBON	680 5% 1/4W
R076	1-249-423-11	CARBON	3.3K 5% 1/4W	R435	1-249-440-11	CARBON	82K 5% 1/4W
R077	1-249-435-11	CARBON	33K 5% 1/4W	R436	1-249-409-11	CARBON	220 5% 1/4W
R078	1-249-427-11	CARBON	6.8K 5% 1/4W	R437	1-249-429-11	CARBON	10K 5% 1/4W
R079	1-249-429-11	CARBON	10K 5% 1/4W	R444	1-249-411-11	CARBON	330 5% 1/4W
R080	1-249-429-11	CARBON	10K 5% 1/4W	R445	1-216-452-11	METAL OXIDE	180 5% 2W F
				R501	1-249-425-11	CARBON	4.7K 5% 1/4W
				R502	1-247-744-11	CARBON	270 5% 1/2W
				R503	1-215-867-00	METAL OXIDE	470 5% 1W
				R504	1-247-895-00	CARBON	470K 5% 1/4W

The components identified  
by shading and mark  $\Delta$  are  
critical for safety.  
Replace only with part  
number specified.

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R505	1-249-429-11	CARBON	10K 5% 1/4W	R855	1-202-830-00	SOLID	10K 10% 1/2W
R506	1-249-423-11	CARBON	3.3K 5% 1/4W	R856	1-217-825-11	FUSIBLE	8.2K 5% 1/4W
R507	1-249-435-11	CARBON	33K 5% 1/4W	R857	1-247-887-00	CARBON	220K 5% 1/4W
R508	1-216-347-11	METAL OXIDE	0.68 5% 1W F	R858	1-215-882-00	METAL OXIDE	22 5% 2W
R509	1-247-893-11	CARBON	390K 5% 1/4W				
R510	1-249-439-11	CARBON	68K 5% 1/4W			<VARIABLE RESISTOR>	
R511	1-247-891-00	CARBON	330K 5% 1/4W	RV401	1-238-163-11	RES. VAR. CARBON 10K	
R513	1-249-424-11	CARBON	3.9K 5% 1/4W	RV501	1-238-016-11	RES. ADJ. CARBON 10K	
R551	1-212-883-00	FUSIBLE	120 5% 1/4W	RV552	1-238-020-11	RES. ADJ. CARBON 100K	
R552	1-249-419-11	CARBON	1.5K 5% 1/4W	RV553	1-238-016-11	RES. ADJ. CARBON 10K	
R553	1-249-426-11	CARBON	5.6K 5% 1/4W	RV801	1-223-102-00	RES. ADJ. WIREWOUND 120	
R554	1-249-404-00	CARBON	82 5% 1/4W	RV802	1-238-019-11	RES. ADJ. CARBON 47K	
R555	1-249-423-11	CARBON	3.3K 5% 1/4W			<SWITCH>	
R556	1-249-418-11	CARBON	1.2K 5% 1/4W	S001	1-571-532-21	SWITCH, TACTIL	
R558	1-249-417-11	CARBON	1K 5% 1/4W	S002	1-571-532-21	SWITCH, TACTIL	
R559	1-249-434-11	METAL	27K 5% 1/4W	S003	1-571-532-21	SWITCH, TACTIL	
R560	1-247-887-00	METAL	220K 5% 1/4W	S004	1-571-532-21	SWITCH, TACTIL	
R561	1-249-412-11	CARBON	390 5% 1/4W	S005	1-571-532-21	SWITCH, TACTIL	
R562	1-249-432-11	METAL	18K 5% 1/4W	S006	1-571-532-21	SWITCH, TACTIL	
R563	1-249-417-11	CARBON	1K 5% 1/4W	S007	1-571-532-21	SWITCH, TACTIL	
R564	1-249-410-11	CARBON	270 5% 1/4W	S008	1-571-532-21	SWITCH, TACTIL	
R565	1-215-454-00	METAL	24K 1% 1/6W	S009	1-571-532-21	SWITCH, TACTIL	
R567	1-247-887-00	CARBON	220K 5% 1/4W			<SPARK GAP>	
R569	1-249-431-11	CARBON	15K 5% 1/4W	SG801	1-519-422-11	GAP, SPARK	
R571	1-249-436-11	CARBON	39K 5% 1/4W			<TRANSFORMER>	
R572	1-249-405-11	CARBON	100 5% 1/4W	T601 $\Delta$	1-449-275-12	S.R.T	
R573	1-249-433-11	CARBON	22K 5% 1/4W	T603 $\Delta$	1-421-776-11	LFT	
R574	1-249-439-11	CARBON	68K 5% 1/4W	T604 $\Delta$	1-424-078-11	TRANSFORMER, TRIGGER PULSE	
R575	1-249-421-11	CARBON	2.2K 5% 1/4W	T605 $\Delta$	1-421-862-11	LFT	
R576	1-249-432-11	CARBON	18K 5% 1/4W	T801	1-437-078-00	TRANSFORMER, HORIZONTAL DRIVE	
R601 $\Delta$	1-205-909-11	WIREWOUND	3.3 5% 10W	T851 $\Delta$	1-439-432-11	TRANSFORMER ASSY, FLYBACK	
R602	1-214-931-00	CARBON	560K 5% 1/2W			<THERMISTOR>	
R603	1-215-903-11	METAL OXIDE	68K 5% 2W	TH601 $\Delta$	1-806-165-11	THERMISTOR (POSITIVE)	
R604	1-247-750-11	CARBON	680 5% 1/2W			<TUNER>	
R605 $\Delta$	1-247-289-11	CARBON	8.2M 5% 1W	TU101 $\Delta$	1-463-881-11	TUNER, ET (UV-617)	
R606	1-212-877-11	FUSIBLE	68 5% 1/4W			<IF BLOCK>	
R608	1-216-449-11	METAL OXIDE	56 5% 2W	VIF101	1-464-960-11	IF BLOCK (IFG-389)	
R609	1-207-905-00	WIREWOUND	0.27 10% 2W			*****	
R610	1-247-887-00	CARBON	220K 5% 1/4W			MISCELLANEOUS	
R612	1-217-809-91	FUSIBLE	0.33 5% 1/4W			*****	
R613	1-217-811-91	FUSIBLE	0.47 5% 1/4W			$\Delta$ 1-451-304-21	DEFLECTION YOKE (Y16XA)
R615	1-249-399-11	CARBON	33 5% 1/4W			1-452-032-00	MAGNET, DISK; 10MM $\phi$
R617	1-216-354-11	METAL OXIDE	2.7 5% 1W F			1-452-094-00	MAGNET, ROTATABE DISK; 15MM $\phi$
R801	1-217-811-91	FUSIBLE	0.47 5% 1/4W			1-452-277-00	MAGNET, BMC
R802	1-205-642-00	WIREWOUND	3.3K 10% 5W F			1-503-344-21	SPEAKER (8CM CONE TYPE)
R804	1-217-822-91	FUSIBLE	4.7K 5% 1/4W			$\Delta$ 1-559-824-11	CORD, POWER (WITH CONNECTOR)
R805	1-249-399-11	CARBON	33 5% 1/4W			L901 $\Delta$	1-426-317-21 COIL, DEGAUSSING
R806	1-249-421-11	CARBON	2.2K 5% 1/4W				
R807	1-212-877-11	FUSIBLE	68 5% 1/4W				
R808	1-216-347-11	METAL OXIDE	0.68 5% 1W F				
R809	1-249-421-11	CARBON	2.2K 5% 1/4W				
R810	1-202-721-00	SOLID	1.5M 10% 1/2W				
R822	1-247-903-00	CARBON	1M 5% 1/4W				
R823	1-217-820-91	FUSIBLE	3.3K 5% 1/4W				
R824	1-249-434-11	CARBON	27K 5% 1/4W				
R826	1-249-430-11	CARBON	12K 5% 1/4W				
R827	1-249-417-11	CARBON	1K 5% 1/4W				
R828	1-249-438-11	CARBON	56K 5% 1/4W				
R829	1-247-883-00	CARBON	150K 5% 1/4W				
R830	1-249-429-11	CARBON	10K 5% 1/4W				
R831	1-249-423-11	CARBON	3.3K 5% 1/4W				
R833	1-212-857-00	FUSIBLE	10 5% 1/4W				
R852	1-216-431-11	METAL OXIDE	560 5% 1W				
R854	1-217-811-91	FUSIBLE	0.47 5% 1/4W				

The components identified  
by shading and mark **A** are  
critical for safety.  
Replace only with part  
number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
---------	----------	-------------	--------

V901	<b>A</b> 8-738-852-05	PICTURE TUBE (A37JW10X)	
------	-----------------------	-------------------------	--

\*\*\*\*\*

ACCESSORIES AND PACKING MATERIALS

\*\*\*\*\*

PART NO.	DESCRIPTION	REMARK
----------	-------------	--------

A-1470-839-A	COMMANDER ASSY (RM-658)	
1-417-154-11	MATCHING TRANSFORMER, ANTENNA	
1-501-284-00	ANTENNA, TELESCOPIC	
3-786-938-11	MANUAL, INSTRUCTION	
*4-384-927-01	BAG, PROTECTION	
*4-391-427-01	CUSHION (UPPER) (ASSY)	
*4-391-428-01	CUSHION (LOWER) (ASSY)	
*4-391-429-01	INDIVIDUAL CARTON	